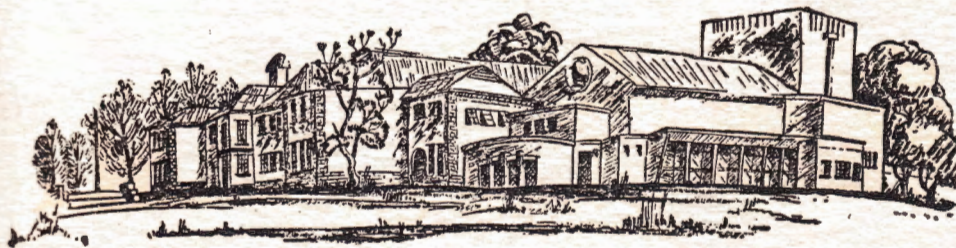


PATROL

1964



ALLAN WILSON TECHNICAL HIGH SCHOOL

Volume 12

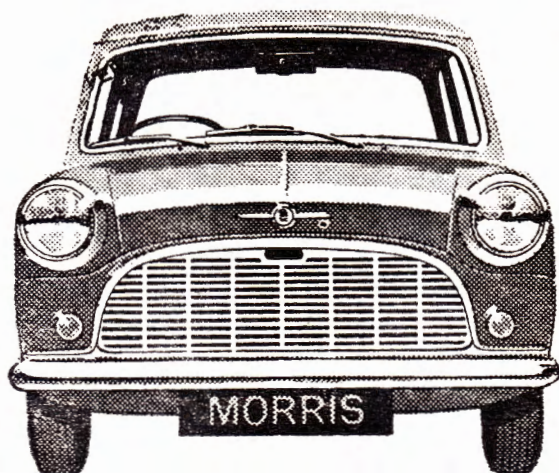
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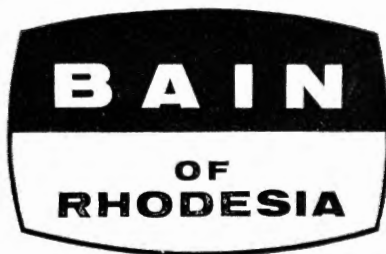
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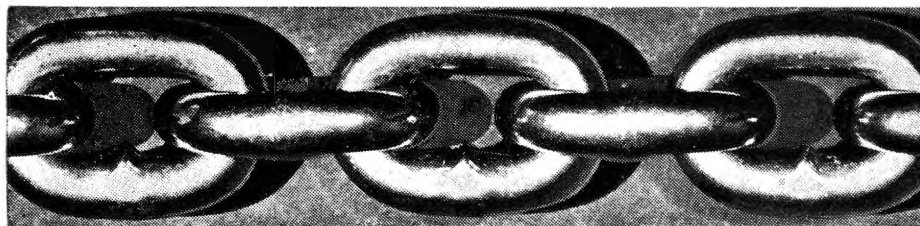


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Contents

Editorial	11
The Headmaster Reports	13
The Question of Examination Boards	14
Farewell to "Joe"	17
Mr. Fletcher leaves A.W.S.	17
Parent Teachers Association	18
A Year of Improvement to the School	19
Careers	20

REVIEWS

The Battle for the Crusader Shield	23
Oratory Off the Cuff	24
Rugby Tour	27
The Braaiöleis	28
"Fabulous" she sighed . . . "just fabulous"	29
Inter-House Seven-a-Side Rugby	31
Improving VI Form General Knowledge	31
Some Thoughts on African Education	33
Hippo Valley	35
Sable Shield	36
Public Performance	37
Hopelands: Scorn not their Simplicity	37
Rapid Reading	39
Masters—Boys Cricket Match	39
Staff versus School Tennis Match	39
Outward Bound School: "To serve, to strive and not to yield"	40

REPORTS

Burnham House	45
Shangani Hostel	46
Browning	47
Newton	47
Scott	48
Wellington	49
Cadets	51
The Bugle Band	52

AMONG THE CLUBS

Archery	55
Art	55
Discussion Group	55
Engineering	56
Natural History	56
Photography	57
Printing	56
Radio	57
Scientific Society	58
Woodwork	57

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(Contents—continued)

ON THE SPORTS FIELD

Athletics	58
Basketball	59
Cricket	61
Hockey	65
Life Saving	66
Rugby	67
Soccer	72
Softball	59
Swimming	73
Tennis	74
Water Polo	73

LITERARY SECTION

Poems

A Plane Trip	77
Evolution	83
Spider	90
Bats	94
To a Spitfire	98

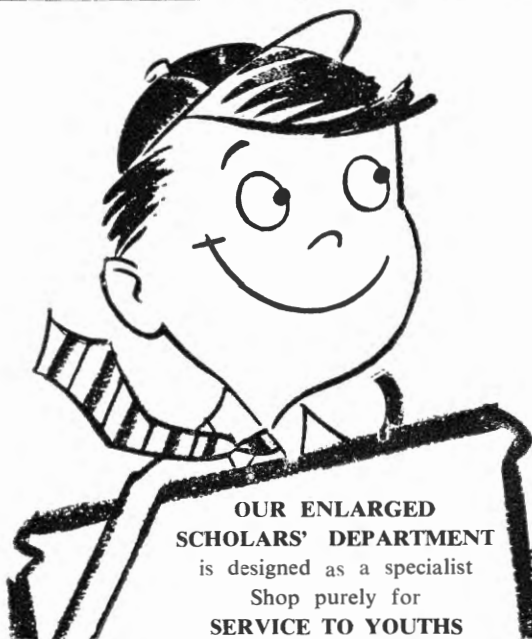
Nature

Operation Chameleon	77
Bee Keeping	77
Wally	83
Last Safari	85
A Marsh Harrier	89

DESCRIPTIVE AND FICTION

An Army Show	79
A Few Impressions of Europe	79
Superstitions	82
Tribute to a Lowveld Pioneer	86
Beatlemania	89
Long Range Surveillance Radar	91
A Holiday at Lake McIlwaine	93
Ancient Firearms	94
Sailing as a Hobby	98
Notre Ecole	97
An Egyptian Escapade	88
The Beginning of a Sea Voyage	90
Tragedy	94
. . . the cold, brilliant night	95
Storm at Sea	97
Preparations for Christmas	100

With grateful acknowledgements to Rhodesia Herald for the photographs of the 'Cadet of the Year' (page 52) and 'In the Engineering Workshop' (page 56), and to the Southern Rhodesia Information Service for the photographs of the Sugar Mill at Hippo Valley (page 34) and of Tom McDougall (page 87).



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EDITORIAL

A HEALTHY school spirit has been shown throughout 1964, but magazine time certainly brought out some of the best qualities of the senior boys.

We became ambitious, and determined to produce a bigger magazine, which, because of the expense, meant more advertisements. More advertisements meant more work, so we tried an inducement—a prize for the pair of senior pupils bringing in the most valuable new advertisements. The boys set to work at once and showed plenty of initiative in persuading businessmen that ‘Patrol’ was a worthwhile advertising medium. In the end, the prize was won by Lloyd and van Olst, who collected advertisements worth £80; a really excellent effort.

There was no shortage of material for the magazine and the response to the literary section was pleasing. Though the lead came from seniors, a good cross section of the school submitted articles and prizes have been awarded for the best Senior and Junior entries.

At this point we must thank all our sponsors, advertisers and contributors, but particularly we thank Mr. D. W. MacArthur who has set the pattern of ‘Patrol’ and edited it so ably in the past.

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The Headmaster Reports...



MR. W. S. GILCHRIST

THE break up of the Federation had its effect on the school at the beginning of the year in the loss of nine members of staff, but happily these have been replaced and I should like to record my appreciation for the manner in which all the staff have co-operated throughout the year. The redecoration and repairs to the school and the Beit Hall have now been completed and the school is a most attractive place for all who work in it. Although our classroom accommodation is adequate we still lack additional laboratories and, of course, that hardy perennial — a school library. The School Council was reformed during the year and is now pursuing a vigorous policy with the provision of the necessary additional accommodation as

its main objective. The Parent-Teachers Association has been active and the response of parents at their recent meetings has been most encouraging.

Highlight of the year in sport was the winning of the Crusader Shield for Water Polo. The team achieved this without losing a game and are to be warmly congratulated on their victory. Hockey and Softball were introduced as new sports this year and are proving very popular. In spite of all the usual moaning from the boys about Cadet training, it is pleasing to note that they thoroughly proved themselves at the Annual Inspection. The Inspecting Officer gave them high commendation for their performance and appearance.

Mr. Cooper has again been busy. Parents and visitors to the school will find that they no longer drive up a dusty or muddy road to the School. Two fine macadam roads now replace the rutted ones and thanks are due to Mr. Cooper for this fine effort. The drives with the new gates opened last year, enhance the approaches to the school.

Whilst on leave last year I had the opportunity of visiting several schools in England and I am more firmly convinced that, in manners and dress, the Rhodesian schoolboy is second to none. There are the few exceptions but these are very few and I hope that Allan Wilson will continue to maintain a high standard in these respects.

Although the future is uncertain, I am sure that the boys will accept the challenge and prove that they have much to give on overcoming these difficulties.

Staff Notes

ONCE again there were many changes of staff. Those who left at the end of 1963 included Messrs. Wickham, Quirke and Allport, all of whom moved to South Africa. Mrs. Matthews and Mr. Smith returned to Great Britain and Mr. Bell took up a teaching post in Malawi; the Education Department of the local University gained the services of Mr. Staal.

During the course of the year Mrs. Pollard was transferred to Prince Edward, Mr. Peakin to Churchill and Mr. Fletcher to the Salisbury Polytechnic.

The new members of staff are: Mrs. Tozer, a former Headmistress, now teaching Mathematics here; Mr. Tinker, Head of Mathematics; Mr. van Zyl, Mathematics and Geography; Mr. de Villiers, Head of English; Mr. Learmont, in charge of French; Mr. Sinclair, in charge of Chemistry; Mr. Chipperfield, in the workshops and Mr. Coburn teaching General Science.

We wish all those joining the staff a very happy stay.

The Question of Examination Boards

MUCH has been said about the pros and cons of the Cambridge Examinations and those provided at the moment by the Associated Examining Board. This matter has been discussed at Ministerial level, at R.T.A. conferences, and, of course, at staff room level on numerous occasions.

At the latter level there were three approaches to the introduction of A. E. B. :

- (a) I do not know much about it; I do not teach examination forms; I am only on a temporary basis; I do not lay down policy, and will simply have to do as I am told; I am

not really interested.

- (b) I do not like the way it was introduced, without proper consultation with teachers; I do not like the authorities who introduced it; it has no standards; it is a trade examination; it did not initially offer Latin; it offers "Navigation"; it is not in keeping with my ideas of an academic examination — even; I was trained at Oxford!
- (c) I would like to wait and see. Would any benefits be derived from the change?

I think we can discard the negative views of the first category.

The objections of group two sound equally hollow, if we take the two main objections: resistance to certain personalities who favoured the introduction of A. E. B., and lack of standards. To answer the more relevant of the two, the last one, one may well ask the question: If there is such a lack of standards, why the outcry, which reached the press, about some subjects that showed a much lower percentage pass than Cambridge?

After Rhodesian examinations had been influenced by the South African Matriculation for many years, a change was made in the Cambridge Overseas Examinations. At Technical Schools this examination was run concurrently with the S. A. National Technical Certificate Examinations.

In 1961 it was decided to replace the Cambridge Syndicate with the A. E. B.

It has never been quite clear to me why the change was effected at administrative level. All sorts of rumours were started about long-standing friendships between members of the contracting parties, about various transactions emanating from the agreement, and other equally vague and nebulous rumours.

The decision of the South African Joint Matriculation Board, in 1959, not to grant exemption to candidates in possession of a Cambridge School Certificate was in no small measure responsible for the change-over. This decision by the S. A. Board was a much needed and salutary one.

However, with Rhodesian pupils having to complete another year beyond Matriculation level, it was felt that Rhodesian entrants to universities might drop considerably. This was indeed the case. Other arrangements had to be made. Cambridge had no intermediate examination and did not seem to be interested in providing one.

At this stage I do not want to go into the matter of the standing of the two examining authorities, or the purpose they serve. Comparisons may prove to be odious.

The striking difference between Cambridge and A. E. B. is that the former is a group examination; the latter a subject examination. In plain language, a certificate in the former can only be obtained by passing a certain number of subjects in the examination at one sitting; in the latter credit is given for a pass in one single subject.

Many people feared that this could well be abused. For instance, a pupil might decide to take only two subjects and waste the rest of the time. Sensible and constructive decisions by schools have negated this fear, yet the pupil who has had to "pick up" the odd subject in the mid-year examinations has benefited.

Although I have been intimately concerned with the change-over, I do not wish to instigate controversy by comparing the two examination boards. I merely wish to state my own preference for A. E. B. :

1. From an administrative point I have found it very easy to deal

with A. E. B. The entry forms are simpler, queries receive very prompt attention, a very flexible attitude is evident with regard to late entries, and promptitude in dispatch of papers and information is of a high standard.

2. The early despatch of results, results in much more efficient administration at school level and is a distinct advantage to pupils, who intend to go to universities, or into positions in which certain subjects are vital.
3. The question of political independence looms very large on the horizon. In my own mind, whether such a move is successful or not, it is time that some autonomy is also achieved in education. The A.E.B. has always proved itself amenable to consultation, has promised to set up a local office—should this, of course, prove feasible — and has taken notice of suggestions regarding syllabi. Any major break-through in any subject that has a strong local bias will not surprise me at all.
4. The A.E.B. has gone to the trouble of providing an intermediate examination at M level. Whatever criticism there may be of this examination, it is recognised by the authorities and shows the readiness of the Board to accommodate the needs of local conditions. It serves the purpose of supplying this country with some graduates which it otherwise would not have had.
5. After discussion with recognised experts in the majority of subjects, I have come to the conclusion that they show a marked preference for the A.E.B. system of examination.

(V. S. Heunis)

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Farewell to "Joe"



MR. "JOE" BELL

WHEN *Patrol* went to press at the end of 1963, it was not then known for certain which members of staff would be leaving at the time the Federation dissolved. One of the last we were to hear of was Mr. J. E. W. Bell whose departure for Blantyre was to bring to a close an association which had begun in 1948.

A term after his arrival he became the first Superintendent of the newly-constructed Burnham House and during the years he was in charge, he was able to mould it into a happy unit of staff and boys. In those far-off days, too, when the school could boast of fewer than fifty boys in the open age-group, Mr. Bell began the process of introducing the school's rugby and

water-polo players to inter-school competition: the results were frequently disastrous but so completely had he identified himself with the school and the hopes its supporters had for its future, that his enthusiasm helped everyone to weather the storms. The Crusader Shield triumph this year and the vastly improved standard of rugby in recent seasons must have given him a keen sense of fulfilment.

The same enthusiasm was evident in Mr. Bell's work within the school itself. As master-in-charge of the Technical side and acting Deputy Headmaster on numerous occasions, he was able to make full use of his exceptional powers of organization. Under his guidance, Technical Drawing and Metal-work reached a high level without parallel in any other school in southern Africa.

When Mr. Bell left, the school lost the services of a man who had come to be respected for his firmness and admired for his good humour and belief in the future of Allan Wilson. Old Boys and present-day scholars alike will regret his departure and wish him all good fortune in his new job.

Mr. Fletcher leaving A.W.S.

MR. FLETCHER, or "Bokkie" as he was known by the boys in the school, left Allan Wilson at the end of the third term to take up a post at the Salisbury Polytechnic. In the workshops he will be remembered specially for his understanding, frankness and good humour.

There are things we cannot forget; Rusty, his dog, is one. In fact, a familiar sight was the pair of them, frequently referred to as "one man and his dog". Then there were the fishing stories with trout a speciality. Mr. Fletcher featured in many school plays but perhaps his claim to film-star fame is the role of a poor, unhappy school

master he played in the School Cine Club's production of the "Wizard of Awe", the script of which was also his responsibility.



**MR. R. FLETCHER
"BOK"**

At the farewell ceremony for Mr. Fletcher the boys presented him with an appropriate gift; six copper beer mugs. After a cheerful thank you speech to the school, he left the stage brandishing his newly acquired mugs.

(Lower VI)

Parent Teachers Association

YOUR Committee is happy to report, that, during the early part of this year, Fire Hosereels, Crashbars on doors and Emergency Lighting were installed in the Alfred Beit Hall. The completion of these improvements satisfied the minimum requirements of the Municipal Authorities, who in turn granted our Hall a Limited Licence for Public Use.

The Mashonaland Amateur Swimming Board and your Committee had previously formed a combined Fund-raising Committee, and this body was now able to organise and operate Tombola Sessions. Sessions were held weekly for some seven months and were discontinued early in October because of diminishing public support. It is however pleasing to note that approximately £200 was raised for each body.

Your Committee organised two Careers' Evenings during the year, both of which were very well attended by parents and scholars. During the second term Messrs. Coffin and Anderson of the Rhodesian Institution of Engineers, Mashonaland Area, spoke on General Engineering and the various aspects of careers in the Engineering field. Mr. H. H. Hall, Educational Psychologist in the Department of Education spoke to us on the value and conclusions of Intelligence and Aptitude tests in guiding pupils in the selection of subjects for study at school and later in choosing a career.

This page sponsored by Caltex

Educational Psychology is a comparatively new venture in Rhodesia, having been applied only during the past five years. Many questions were put at both meetings, and I am sure we all benefited from these talks.

Another aspect of Fund-raising by your Committee, aided and abetted by Staff and Parents, is the Canada Dry Slogan Competition. In the first six weeks of the third term alone, over £60 had been collected.

On behalf of the Committee I would express our thanks to the Magazine Committee for allowing us to tell you about the P.T.A., and to all those Parents and members of the Staff who have helped us in one way or another during the year.

(F. E. Brinckmann, Chairman)

In Memoriam

It is with the deepest regret that we record the death of Mrs. S. Stericker, who died on 3rd November after a serious illness. Mrs. Stericker was the Cook-matron at Shangani Hostel, and all who knew her regarded her with affection. We extend to her relatives our deepest sympathy on their sad loss.

1964—A Year of Improvement to the School

ONCE again the seasons have gone a full circle, and we are at the “waiting for the rains” time of year. The last rains were about 14 inches less than the previous year. Just imagine the whole school and grounds under 14 inches of water—that is the amount we were short.

The First XV rugby field was moved onto the Oval, a long-awaited improvement, as we have a lovely setting for it, plus showers for players, in the swimming bath. Tea making is now much easier as everything is at hand and the money from this helps School funds and a deserving local charity. (not Coopers.)

This move has enabled us to lay out a hockey field at last, alongside the first field. Although it is not of full width it serves its purpose.

Because of complaints that rains stop cricket practice, I decided to tar the surround of the two concrete nets. We will have to wait for the rains before finding out how successful they are.

A game new to Allan Wilson is softball. During the tail-end of the rugby season the introduction of this game was discussed. The price quoted for netting, iron pipes, etc., was too high and the end of the term saw no movement towards the game's establishment here. This term, it was a different matter. Two teams were to play their first match. So everything else was dropped: timber poles and netting were obtained, and up went the fence and down went the square. Three days later the equipment arrived. The slope of the previously unused corner of the field had to be levelled with nine inches of soil, so it will take one wet season to settle it down.

The biggest single improvement since paving the area around the Beit Hall will be, I think, the tarring of some of the School roads. The first step was the excavation of three huge holes for the construction of French drains. Between them they will hold, by draining the roads, about 22,000 gallons of water after each heavy rain. This water will be slowly fed back into the soil. This will conserve our soil moisture and help to keep the School entrances drier than they have been. These holes were filled in with ashes after the brickwork and pipes had been laid.

The actual tarring is being done in three sections as we cannot close all the roads at the same time. It takes about a week to prepare a section, then a week to tar, roll and consolidate it. This is another "before the rains come" job, so once again, full speed ahead. I know the African staff will be glad when all these jobs are done and we are back on a normal routine again.

The transformation of the School at the hands of the P.W.D., in the last twelve months has been amazing. First the electricians stripped out old wire fittings, and then they put in the new ceilings, and roofs echoed with cries of "Donser, donser (pull)". Whisper it not abroad, but I can now make tea in my office after 16 years of having it wood-smoked.

Then came the plumbers, carpenters, and plasterers, who all in their turn helped repair the ravages of time. Finally painters used their long-acquired knowhow of colour schemes.

The final result is a pleasure to work in, and I take off my hat to their combined skills and their individual cheerfulness and co-operation while they were here. Thanks again, P.W.D.

(S. Cooper)

Careers

THE value of a Careers counsellor on the staff of a school has become most apparent during recent years. Our society is becoming more conscious of the assistance that can and should be given to school leavers instead of, as in the past, leaving the problem of possible employment to mere chance.

Much of the counselling has been left until the pupil has expressed the desire to leave school or shortly before the G.C.E. or C.O.P. examinations. It is desirable to carry out aptitude and preference testing early in Form IV. This gives the boy time to consider the possible careers which have been suggested to him. In the near future a long term experiment is to be inaugurated. The IIA class is to be thoroughly tested and the results compared with those to be taken when they reach the Fourth Form. Early testing may be of great value in assisting in the choice of vocation of boys leaving the School.

After the aptitude testing, a preference test is done to see how it compares with aptitude diagnosis. The results are usually surprisingly similar. On the odd occasion when aptitude and preference clash, discussion and questioning is resorted to. In both instances a meeting of parents, pupil and counsellor is essential in the final decision regarding the nature of further education or type of employment. Close contact is kept with the Youth Employment Service and the Labour Department of the Government.

Career counselling is still voluntary. It is hoped that in time full recognition will be accorded to its importance by its being included in the school curriculum.

(H. G. L. W.)

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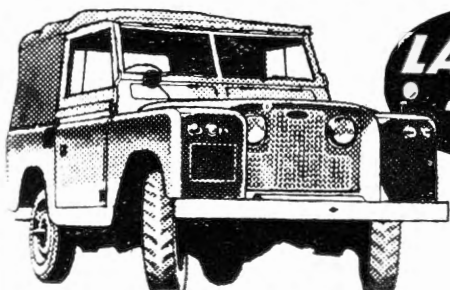
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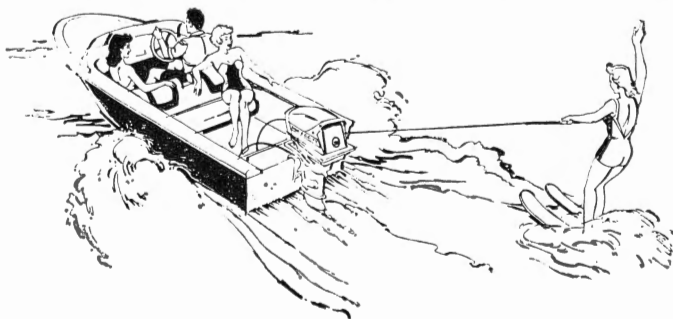
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The Library

IT has been encouraging to note that the library has been well patronised this year. New books have been read avidly, and the junior forms have shown a commendable interest. Additions this year have included many new novels, and several reference books, some of which will be kept in the subject libraries.

The librarians have been kept busy and deserve a special word of thanks. Many of them are now experts at covering books with Polythene material and marking the spines with white ink. The master in charge would also like to thank Mrs. Pollard for the work she did in the first two terms, and all the boys in Form 2 who volunteered to help with break duties in the third term. These boys helped to keep the library open when the seniors left to write examinations:—D. Lindsay, N. Preston, B. Gifford-Garner, E. Candy, M. Travaglini, C. Bedford-Shaw, C. Aitken, G. Blake, C. Roberts, R. Bundy, and G. Lowry.

Regular Librarians have been:—P. Feiertag (Head), M. Travaglini, H. Dykes, B. Stiefel, and F. Cunningham. (R. de V.)

The semi-retirement of the Bedford

A 28-seater bus has been presented to the school through Mr. Benwell of Central African Bottling Company. The original estimate for repairs was in the region of £350. A complete overhaul and the rewiring of the bus was carried out by the boys of the school at a cost of less than £80. After completing their June G.C.E. examinations, Bruce, Schultz and Bose stayed on to do the work. Once it has been spray-painted and has passed the

“road-worthy” test this additional vehicle will relieve the old “1851” Bedford of many of its duties and allow it to enter semi-retirement.

Reviews

Victors at Last !

(The Battle for the Crusader Shield)

THE year 1964 will go down as Allan Wilson Year as far as Water Polo is concerned. We won the Crusader Shield Tournament for schools through Southern Rhodesia for the first time in the 21 year old history of the competition. Prior to 1964 the shield has been won by three schools only: Milton, Plumtree and Prince Edward.

In the weeks before the final day of the competition, we defeated all the other Salisbury schools and the Umtali team. The best game we played was that against P.E. which we narrowly won 4—3. However, bad luck almost lost us the shield. The night before the final match Alistair Adamson and I went off to a dance where we were twisting and shaking enthusiastically. Alistair decided to go home early and took a short cut home across the golf course. Because of the darkness and the fact that he was training for our forthcoming Rugby Tour, he fell down a ditch and broke his wrist.

No-one knew about this until the next morning when a pale-faced Alistair turned up at the swimming bath with his arm in plaster. When we learnt of the accident we tried not to show our disappointment; we told him that we could win without him, knowing very well that our chances of winning were now very remote.

Putting our best reserve in his place at centre forward we played Milton and Falcon College in the morning and to

This page sponsored by Norman Hughes

our delight won both games.

That morning we learnt that Plumtree were also unbeaten and we started dreading our match against them, which incidentally was the last game of the afternoon. They had what we considered a powerful team.

Suddenly in the last game of the morning, our hopes rose, as Prince Edward beat Plumtree 6—3 and so made us the only unbeaten team in the competition.

Continuing in the afternoon we beat Hamilton and gradually the games went by until only our match with Plumtree remained. However, we were far from worried. We could not lose a share in the shield no matter what happened. Whether we won or drew with Plumtree we would win the shield. If we lost there would be a triple tie between Plumtree, Prince Edward and ourselves.

We jumped into the water and the match started. The strange thing that happened then was that Plumtree were content to mark us tightly instead of swimming around us as we knew they could. We scored first and continued to mark our opponents closely. Then Plumtree scored — we were level. Despite our efforts to score, they scored again and we were one down!

Things became desperate for us as we were playing the last five minutes. Then we scored. We were level once more. Time was running out and we defended fiercely to stop Plumtree scoring again, while taking shots ourselves at their goal.

Suddenly the final whistle blew and we went wild. We had won the shield! We were congratulated from all sides. Our captain Des Chomse collected the shield for the first time: the whole school was very proud and we ourselves felt elated.

(J. Ball—L.VI)

Oratory Off The Cuff

“SIGMUND FREUD and his contributions to psychology” is a difficult enough subject to think about, let alone deliver a speech on. I had prepared what I hoped was a good speech. The script was duly delivered to the prompter who was there to assist if a speaker should become tongue-tied. She read as I began to speak and I can just imagine the consternation she must have felt when suddenly she was not quite able to follow me. All of a sudden this lout on the stage was not keeping to his carefully prepared speech. He was digressing. Well, not really. I kept to the subject but I had not liked the script anyway and having heard the brilliant efforts made before my turn came, I was quite ready to quit completely.

But I managed to go on, and soon there were two hundred intent and fascinated faces, mostly schoolgirls, gazing fixedly at me with open mouths and ears. I was explaining Freud to them. For ten minutes of their lives they did not need anything else except psychology. Now I knew how a hypnotist feels when he puts a hall full of people under his influence. One word and they all fall on their faces. Not quite, but that is how it felt to me.

So engrossed was I in what I was doing that I might well have gone over time, yet no one seemed to notice. When I had finished and heaved a sigh of dry-throated relief, the applause was music to my ears.

It is quite a sensation to feel that controlled mob-hysteria. I welcomed the opportunity although I had many misgivings beforehand. I would certainly like to do it again.

There is, however, a factor which made the delivery of such an impromptu speech more acceptable to

me and that was that I was in Umtali and not at home in Salisbury where I could be uncomfortably certain that someone in the audience would know me and remind me forever after of the speech I had made on July 25th, 1964. For then it was that I produced this effort. When you do not consider yourself to be capable of addressing a crowd larger than a classroom and you suddenly have to convince a hall full of people that your subject is worth

knowing, you will find the experience frightening, mysterious and possibly even satisfying.

At this point I would like to thank all the people who made my trip to Umtali possible, especially Marymount College, who organised it all. If you are ever faced with the prospect of addressing a crowd, do it; go ahead and let your hair down.

(R. H. Lloyd—Upper VI)



PREFECTS — 1964

Standing: A. Adamson, R. Van Olst, D. Russell, D. Chomse, M. Crawshaw, G. Nisbet.

Seated: R. Lloyd, Deputy Head, R. Bartlet, V. MacKenzie, Headmaster, M. Kates.

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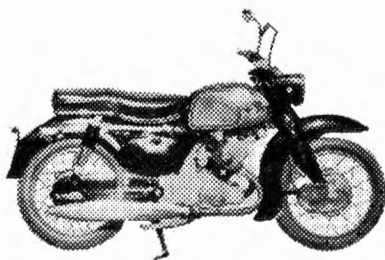
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Rugby Tour



THE WINDSOR CASTLE

The Team embarking for the trip from East London to Durban

IN April this year twenty-two boys, with Mr. Edmond as coach and Mr. Ashmole as Manager, left on a three-week tour of South Africa, wished well on their way by the Headmaster and Mrs. Gilchrist, Mr. Heunis and many parents and girl friends.

The first leg of the journey was a three day train journey to East London, where, in the course of a week the team played three matches. The first match against Grens Hoërskool was a disappointing one, but the team were still recovering from the long journey, having had no time for practice. It was in this game that all the reserves played, as each boy had been promised one game on tour.

The next game was against Selborne College and this produced some fine rugby from both sides. Our side did very well in losing only 14—6 and the game could easily have gone the other way. We notched a good win in the last East London game against East London Technical High School.

After spending the Sunday seeing the

sights of East London the party embarked on the "Windsor Castle" for Durban and this was a great thrill for many of the boys who had never seen the sea, let alone travelled on a ship.

Docking in Durban early next morning gave the team a full day to enjoy the many wonderful sights and activities of this thriving metropolis and holiday resort.

A night trip on the train brought us to Johannesburg—"The Golden City", for the game against Parktown Boys' High School. The team started this game very strongly with some excellent three-quarter movements, but the game never rose to the earlier promising heights, as the heavy opposition forwards dominated play and fed a fly-half who consistently and monotonously kicked for touch.

The next morning the team travelled to Pretoria for their final game of the tour.

The memories of the wonderful hospitality received here will not be easily forgotten and the Pretoria boys

gave an exhibition of first-class fast and open rugby. It was not surprising that this was where the touring party suffered their heaviest defeat, but gained a good rugby lesson.

The team returned by train to Salisbury having lost four games and won one game.



ON THE BEACH IN EAST LONDON

The tour was an outstanding success—the boys were fine ambassadors for their school and country, being repeatedly asked to stay longer with their hosts.

The behaviour and attitude of the tour members was exemplary at all times and it was this that made our tour as staff members such a pleasant and memorable one.

The team's brilliant attacking rugby always drew applause despite their defeats, and the boys themselves believed that this was their greatest reward.

The experience gained on the tour paved the way for the success enjoyed in our own season in Salisbury and the school will benefit immensely by similar tours in the future.

The Braaivleis

AT the end of the second term, Mr. Fuller, the Under-Thirteen Group Coach for cricket and rugby, held a braaivleis for the boys who played in his teams.

As soon as it was dark on the night of 7th August, the food and drinks were brought out, and the fire was stoked up. When Mr. Fuller arrived everyone opened a drink for himself, while steaks and boerevors were being placed on the fire. The boys who were not cooking were round the table where crisps, peanuts, fudge, and beverages were plentiful. Then Mr. Gilchrist and Mr. Heunis, the headmaster and deputy headmaster, came and while they were talking some boys volunteered to cook them a steak each, which the boys made sure, were not burned.

When all the food was finished, everyone played a game with a torch called "Jack, Jack, Shine a Light", until Mr. Fuller called them all round. With a short speech, telling what each was awarded for, he proceeded to give slabs of chocolate to the boys who had shown most improvement in rugby and cricket during the year. The prizes were presented, with accompanying handshakes, by Mr. Gilchrist.

This party was, in a way, sad, as Mr. Fuller was leaving our school to go to England. But all the boys will agree with me in saying it was a very enjoyable evening.

(S. Baldwin—Form 1a)

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“Fabulous,” she sighed, “just fabulous . . . ! !”

IT is strange how trends in School Dance decor change from year to year, until a point is reached where only the most elaborate of decorations has the desired effect on the people at the dance. Take, for example, the dances we held two or three years ago; streamers and a little bunting was all that was required. The mere fact that a dance was in progress was enough to attract girls from the nearby schools and it could never be considered a problem to invite dancing-partners in the same way as it is today. It is not just a matter of “coming to a dance”, as it used to be; now the girls are particular about which band is playing, and they seem to be especially con-

cerned with the quality of the decorations.

With this delicate fact in mind, we set out to produce a modernistic, ‘beaty’ and daring new theme for our School Dance of 1964. Discarding from the outset the hackneyed “mermaids-and-pirates” type of decor, we went strictly contemporary in our approach. On these lines we hit on the idea of dressing the Beit Hall up with all manner of Beat pictures, cartoon-sketches and designs which looked extremely effective. There were drawings of just about every recording star in the business. So great was the effect that one young lady was seen to gaze open-mouthed around the hall with a display of obvious approval.

It had not, however, been all cokes and billiards, as we had to postpone the dance several times before we settled on a definite date. Friday, 15th August finally became our dance night, after we had chased, and caught, a band to come and make music for us. The end result, after so much delay, was well worth the effort and, to say that we all enjoyed ourselves would be an understatement.

(R.H.L.)

Seven-a-side Rugby Competition

THIS year the school entered two teams in the R.L.I. Seven-a-side Under twenty tournament. Our “A” side were eliminated in the first round—a pathetic effort. The “B” side, however, were truly brilliant and up to the final they had scored 37 points to 3. In the final they were beaten 16—14 by Prince Edward.

(T.E.)



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Inter-House Seven-a-side Rugby

A SHIELD was presented this year to Scott House, for winning the first Inter - House Seven - a - side Rugby tournament. Thirty-six teams participated, representing Under 13, Under 14 Under 15, and Open age groups. Five members of staff were included in the teams. The tournament was organized on a knock-out basis.

Judging by the enthusiasm of the spectators and the determination of the players, this new event is going to prove one of the most popular functions in the future.

(T.E.)

Improving Sixth Form General Knowledge

DURING 1964, Mrs. Knox arranged for a large number of speakers to address the Upper and Lower Sixth Forms. A vast number of subjects were covered from alcoholism to architecture.

Early in the year, when we had afternoon school on Fridays, the Rev. Wright came to talk on African Education and the Missionaries. Mr. L. Driver-Jowitt enlightened us on the aesthetic content of modern architecture, while some time later, Canon Paterson gave us his views on the place of Formal Religion in society, which proved to be a highly amusing discussion. In conjunction with the Scientific Society and the Discussion Group we arranged for an evening talk by Mr. R. E. Ray on Geology in Southern Rhodesia.

Other speakers who came during school-hours were Mr. H. Hall with his account of Psychology and Education, Mr. R. Buchanan on Trade Unionism and Mr. Eustace presented the facts about alcoholism. Mr. Ross told us about the work of the British Council and Mr. Mitchell proved to us that he was a top-class insurance salesman.

Mrs. Knox arranged for a "brains-trust" consisting of a cross-section of the School Staff to talk to us on subjects in which they were interested and into which they had put considerable study. Mr. Heunis gave us an eye-opener on philosophy, Mr. Sinclair explained genetics and heredity, while Mr. Peakin came to tell us about the life of St. Augustine. Mr. Tinker attempted, very successfully, to sell the fourth dimension to the Sixth Form and Mr. Roberts gave us a full forty minutes of Human Geography.

Taken as a whole this effort to improve our general knowledge was entirely successful. We asked questions, and in the majority of cases were given straight replies. Many times we attempted to raise constructive argument only to find that the facts and principles had been admirably explained. The members of staff who spoke and the speakers from outside were welcomed by attentive audiences even when discussing apparently dull subjects. We sincerely hope that this practice will continue in future as it is beneficial to the Sixth Formers doing Use of English at advanced level.

We are extremely grateful to all the speakers who addressed us, and particularly to Mrs. Knox for arranging the talks.

(R. H. Lloyd)

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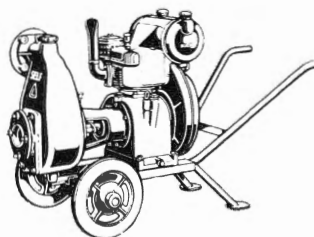
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Some thoughts on African Education

A MOST informative address to the Upper VIth on the Batonga tribe by a missionary who has had years of personal experience, gave rise to thoughts on the wisdom or otherwise of turning out semi-educated people in their hundreds.

A semi-educated populace leaves a country wide open to Communist infiltration via extensive propaganda methods. Russia was at one time very interested in India. This interest has died, and I think this can be attributed to the fact that India has such a high percentage of illiterates. When people cannot read or write, communist propaganda cannot influence them much in any way, but as soon as they can read and appreciate the 'beauties' of Communism they provide a valuable stepping-stone for Communist infiltration.

This applies in any country with a semi-educated population. In this country the missionaries themselves, we feel, are directly responsible for this state of affairs. It is not their fault entirely, however, as they do not possess the funds needed to further African education or to provide worthwhile employment. Perhaps the Government should carry on where they leave off.

The community Development Scheme in which the rural Africans are taught to aid their own communities, is proving moderately successful as the community benefits. Also Rhodesia has tremendous potential for development and, if these vast numbers of semi-educated Africans could be absorbed into such schemes as the Lowveld Project and the devolving mining industries of our country, the problems of Communist infiltration would be reduced to a compatible level.

These two are not the answer, though, as they do not get rid of the semi-educated African. In South Africa before the war, many undesirable elements amongst the population were put in the Special Service Battalion and there learnt responsibility. The men in the S.S.B. grew to be an asset to their country as a result of this. If a scheme such as this was used in this country to absorb the semi-educated African, a strong Army would result which could prove a satisfactory deterrent to any external intimidation.

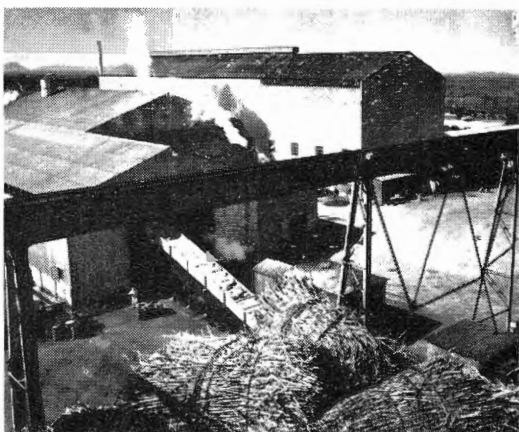
Our secondary industries too, could well absorb many of these people. The presence of highly paid Africans in responsible jobs would be an incentive to other Africans, and ultimately the establishment of a strong middle class would form a formidable bulwark against Communist propaganda and provide the country as a whole with a badly needed market.

(R. van Olst—U.VI)

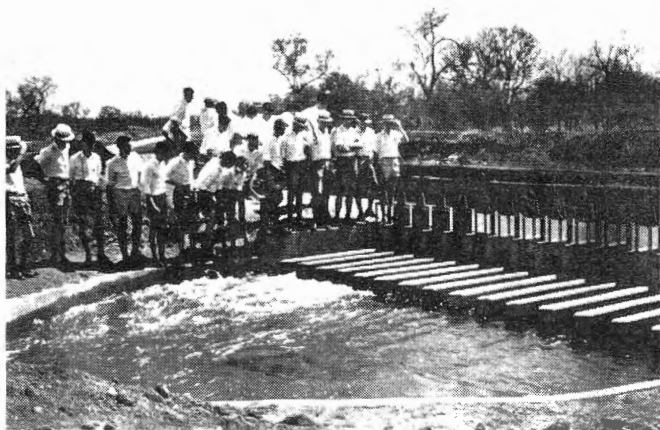
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Hippo Valley

ON the twenty-ninth of September this year a rather dilapidated Dakota took off from Salisbury Airport and set its course south to Chiredzi.

The plane was occupied by over thirty boys from 3A, 4A and Lower Sixth, and accompanying them were Mr. Ashmole and Mr. Gilchrist.

The flight lasted for nearly an hour and a half and only one person really felt the effect of the very bumpy flight. We flew over scrub land for most of the way and it was only at Chiredzi that we saw any sign of greenery, the irrigation water for these plantations having come from Kyle Dam, the large stretch of water over which we had previously flown.

We landed at the corrugated earth airstrip boasted by Chiredzi at ninety-three and immediately began our tour of the area. First we rode through the town of Chiredzi and seeing the many houses and buildings, we found it hard to believe that two years ago the whole area was virgin bush. We were even more astonished when our guide told us that 10,000 acres of young sugar cane, which we then drove through, had been planted since 14th February. At the beginning of the year, this land too, had been untouched bush.

A prominent feature of the cane fields were the canals which carried the irrigation water. The main canal supplies Hippo Valley with water from the Esquilingwe Weir, some eighty miles away. When the water reaches Hippo, measured amounts are fed off into a subsidiary canal and the farmers have their share apportioned by special "gates" set by the water bailiff.

Having seen the main canals and their intricate 'gate systems' we were taken to the sugar mill itself. Here we saw how huge bundles of sugar

cane weighing about 5 tons were loaded onto a conveyor belt and even though some of the cane was over twelve feet long by the time it had passed through the shredding knives, no piece was larger than six inches or thicker than a mere sliver.

The cane is then taken to be crushed and a dark brown liquid is formed. The residue, called 'bogass', is taken to another machine where the salts it contains are removed. (This is then used as fertiliser). The dry remains are then fed to the large boilers to produce the necessary electricity to power the mill; in fact in the new mill so much electricity will be formed that the surplus will be sold to E.S.C.

The brown liquid obtained from the cane is a mixture of molasses and sugar. This mixture is boiled in large vats until the sugar begins to crystallize. It is then taken to the 'centrifugals', a drum in the centre of which is a shaft rotating at over 2,000 r.p.m. The sugar mixture is placed inside—the molasses drops to the bottom while the sugar accumulates on the sides. This pale golden brown sugar is packed into large sacks and sent to refineries in Salisbury and Bulawayo.

We next visited the distillery where alcohol is distilled from the molasses. Our guide told us how cheap this alcohol is 5/- a gallon — but £8/2/6 tax has to be paid on each gallon. What was waste molasses three years ago now brings in over £1,000,000 revenue annually to the Government.

After looking over the dry ice plant, where solid carbon dioxide is manufactured, we went to the two huge diesel engines which pump the water for the overhead irrigation.

Then we went for dinner at Hippo Lodge, and during this lunch break several of us walked down to see the Lundi River. At the time it was only 20 yards wide but we could see that it

had cut itself a flood plain quarter of a mile wide.

Dinner over, we went to see the citrus canning factory. Although this was out of season and the factory was not working, we were shown how the citrus fruit was washed, dried, graded and stamped automatically. Then we saw the skin crushing machine where the valuable oils were extracted from the orange skins. In the actual canning factory the grapefruit is automatically skinned but the segments have to be separated by hand before being canned.

By this time it was fairly late and as we were several miles from the Airport, we had to start the dusty journey back to Chiredzi airstrip. We stopped once and everyone leaped from the bus and siezed a piece of sugar cane. We boarded our Dakota and at 3.45 p.m. took off for Salisbury, after a most instructive and enjoyable day.

(J. Harvey—Form 4)

The Sable Shield

DURING the week November 2nd to the 8th, Burnham and Shangani fought a hard and exciting battle to decide which was "The Hostel of the Year". Shangani took the Shield with a final score of eight points, being well ahead of Burnham with four points. The results were as follows:—

Softball—

Juniors—Burnham;

Seniors—Shangani (despite Chomse half killing one of his own team with the bat.)

Basketball—

Juniors—Burnham;

Seniors—Shangani (Yes, Sompie did it again !)

Cricket—

Juniors—Shangani;

Seniors—Burnham (helped by dazzling unconventional cricket by Cockburn).

Tennis—

Juniors and Seniors —Shangani.

Water Polo—

Juniors and Seniors—Shangani (We still cannot understand how Metcalf and Hatfield fell into the pool fully dressed).

Swimming Relay—

Burnham (by about two lengths).

Tug-of-War—

Shangani ("strong in th' arm weak in th' head ?")

Braaivleis—

It is believed that both houses won this event.

Rugby Dinner — 1964

AN innovation this year was the 1st XV Rugby Dinner held at the Kentucky Hotel. This was made possible by the generous donations of parents, the Headmaster and the members of Staff.

Mr. Gilchrist presented Team Blazers and Colours to the 1st XV members and congratulated them on the finest season the School had ever had. It is to be hoped that this is the forerunner of many future Annual 1st XV Rugby Dinners.

(T.E.)

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Public Performance

IN the Sixth Form, duties are numerous: one of these is to attend, with much glee, many of the talks and discussions required to broaden one's outlook. I say 'with glee' because these duties invariably have to be performed during school time.

It was at one of these meetings that I proved the obvious to myself. A talk on drama and the implication of sounds in written plays was being given by a person who had been specially brought out by the British Council to give such a talk.

Soon it was obvious that, to enhance the influence of her talk, she would need help from her audience. This was promptly requested but unfortunately the response was rather poor.

I now made a mistake: I volunteered. I had a notion that this would be easy, so with a feeling of bravado I became an actor in front of a critical audience of several hundred sixth-formers.

Along with the other volunteers, I sprang on to the stage. My knees froze, my eyes glazed over, and I could hardly face that front row of eagerly staring cynics, waiting to tear my ego to shreds with their laughter; laughter that was obviously to be directed at my contortions. Meanwhile, I was desperately trying to control my limbs.

For ten minutes I sweated out various tasks set for us by our executioner. She began and ended our various tortures: for example she would tell us to act as if we were coal miners or misers. A crash on the gong was always the signal to go into action; obviously she derived a certain malicious pleasure from striking the gong. I became self-conscious: everyone was laughing at me and I was

not trying to be funny. Then came the realisation that I was not alone: there were nine others on the stage with me. The audience were laughing at us! us! Who said acting was difficult?

(R. Bartlett—Lower 6)

Scorn not their simplicity

THE School has taken a particular interest in Hopelands this year. The extracts that follow are taken from a newsletter which discussed the aims of the organisation:

"Concern for mental retardation has a new impetus to-day. No longer is the mentally retarded child considered a problem, isolated from the main stream of life. No longer is he left silently in the shadows . . .

"Mental retardation is a world-wide problem; it occurs in professional families as well as among poorer sections of the community, but mentally handicapped children can be helped and the burden that has fallen upon their parents can be lightened by the care, training and sympathetic supervision that Hopelands Trust offers at its various centres . . .

"The objects of the Hopelands Trust are:—

To work towards a better understanding of the problems of mental retardation.

To provide suitable facilities for mentally handicapped children and young people.

To help parents and families of the retarded child.

To further research into the causes of retardation.

To develop teaching and training techniques which will enable all mentally handicapped children and young people to realise their maximum possibilities."

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Rapid Reading

LAST year, the present Upper Sixth, together with a group from Queen Elizabeth School, were the guinea pigs in a trial Rapid Reading Course run by Mr. Dearling and Mr. Newall.

So successful was the pilot-scheme (some boys trebled their reading speed and improved comprehension at the same time) that every effort was made to offer similar opportunities to other forms.

Since the expensive American apparatus for this course has been made available for use in this school during the third term, Form VI M have completed a course of twenty-four hours, and, without exception, they have improved reading speed and comprehension; some as much as threefold—and eleven hundred words a minute is quite a feat when coupled with a comprehension rating of eighty per cent.

The Lower Sixth have embarked on the course, which is also being used in a modified form for some boys in the Third Form. The gadgets seem to be a powerful incentive, even to the most reluctant students: while the sight of ten earnest pupils, stop watches in hand, concentrating furiously and silently, is something to gladden the heart of any teacher.

(V.K.)

Masters—Boys Cricket Match

FEW, if any, who saw or played in this match can deny that it was dominated by two somewhat biased umpires and an over-abundance of l.b.w's. Apart from these three factors it was a very enjoyable game, and more successful from the boys' point of view as they soundly beat the masters.

Mention must be made of a few

incidents and performances which highlighted the game: Mr. Ashmole's first ball of the afternoon causing Jamie Ball to walk back to the stand; Carter passing the double teens in batting; Mr. Revell doing somersaults; Mr. Edmond defying l.b.w's., by refusing to put on pads as he was going out first ball and then hitting the highest score of the match; the boys underestimating the mathematical ability of the staff by starting their innings with twelve players (only noticed after the fourth over, however); and, MacKenzie keeping wicket with a stiff elbow. In addition, the cryptic remarks of Mr. Edmond, the two for three in one over by Mr. Morris. Launder's bowling confounding the batsmen and the jeers from the stand at Mr. Sinclair's decisions turned it into an afternoon we would like repeated in 1965.

Bat on staff !

Staff vs. School Tennis Match

TUESDAY, 3rd November, was a memorable afternoon as the tennis club had more fans watching proceedings than any other day during the year. Everyone wore clean whites except Mr. van Zyl who apparently could not find his and consequently turned up in fawn longs.

Mr. de Villiers and Mr. Ashmole beat the school No. 1 and No. 3 couples. This they only managed after a lengthy breather and refreshing cool drink. Collins and Cooper played very sound tennis.

Well, the same success was not forthcoming in the match in which Mr. van Zyl and Mr. Revell "tried hard". Backhand returns of the latter proved that it was time the backhand rule was altered. A bounce before the net

is desirable. Mr. van Zyl's fawn flannels slowed the game down a little.

In the third doubles match Smithdorf and Foster lost to Mrs. van Wyk and Mr. Morris.



MR. MORRIS ON THE ATTACK

Smithdorf was quietly chuckling to himself, while both boys served killers to one and gentle shots to the other of the staff couple.

At the end of the afternoon the final score showed that once again in the field of sport the boys are still tops. The result 6—3.

(A.F.A.N.)

“To serve, to strive and not to yield.”

The above is the motto of the Outward Bound Association. The first Outward Bound School was Aberdovey on the Welsh coast, and was opened in 1941 as a Survival School for seamen. It was founded by Dr. Kurt Hahn (Headmaster, Gordonstoun) and Mr. Lawrence Holt (Director, Blue Funnel Shipping Line). After the war it was reopened, offering 26 day courses to any young men who wished to attend.

From this beginning the Outward Bound Movement has spread, and there are now 18 schools in 10 countries. The Melsetter School was established in 1961 and to date nearly 800 young men have received training there. The aim of the course is to develop initiative, self reliance, tolerance, understanding and team spirit through a challenging programme set in a non-racial, mountain environment, and to provide opportunities for discovering and promoting the qualities of leadership.

During the August holidays of this year Bob Hawkes and I attended the Outward Bound School at Melsetter. This I can truly say was a most unforgettable experience.

The School itself is situated amidst the Chimanimani Mountains ten miles from Melsetter. Our mornings, when at the school, began at 6 a.m. with a dip in Tessa's pool—ice cold at first, but by the end of the course it seemed quite warm. Every day one of the six patrols, each consisting of eight people, was on duty. Their duties were mainly serving out the meals and cleaning the dining room after every meal. Each of the other patrols had its own duty to perform after the dip, such as clean-

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ing the ablution block and cutting firewood for the kitchen.



OUTWARD BOUND SCHOOL CHIMANIMANI

After breakfast, a short parade was held, during which the Union Jack was broken and then the normal day's routine began. For example classroom instruction in map reading, First Aid and knots. Other activities, which alternated from day to day, included abseiling (the process of letting yourself down a cliff face in a controlled fashion by a rope firmly secured at the top—a supreme builder of self-confidence), climbing, mountain rescue and the ropes. The ropes course consisted of a series of different exercises, such as crossing a Burma Bridge, doing the commando crawl and the climax, the “fuffy” slide, on ropes strung between the trees.

A team effort for the whole patrol is negotiating the beam and the wooden wall. The beam is a pole strung 10 feet high between two trees over which the patrol must pass, and the wall is a wooden wall, 12 feet high, again over which the patrol must climb.

The most gruelling, but by far the most interesting as far as scenery goes, are the expeditions. On our course we did two expeditions each lasting 3 days and covering between 40 and 60 miles, with 30 lb. weight packs. Each patrol carried all its food, sufficient for the three days. On the second expedition we had to climb three mountains;



CROSSING THE RIVER

Point 1, Ben Nevis and Dragons Tooth. What I really enjoyed about the expeditions was sleeping out under the stars, listening to the wind howling

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through the trees and the rivers gurgling over the rocks.

One of the lighter moments of the course was the Quest in which each patrol had to make and collect various things. One of the items to be collected was a frog, which was to be entered in a frog race. Only three patrols managed to find a frog. Our patrol came last in the race as we only had a frog half-an-inch long.

I must admit I have never spent a more gruelling three weeks, but I found it most satisfying and learnt to do a great deal I would never think of doing at other times. I can thoroughly recommend the course to any one looking for three weeks of mountain air and outdoor life.

(M. R. Bass—6M.)



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Burnham House

Superintendent - - Mr. C. W. Pert.

Resident Staff:

Messrs. M. Sinclair, R. Fuller, B. Elgie.
Mesdames I. Johnson, S. Johnston.
Forman, A. Lyon.

WE have had two changes in staff this year. Mrs. Forman who left us after eight years of service in Burnham and Mr. Fuller who has gone overseas after two exhausting terms with us. We wish them luck and happiness in their new abodes.

Mrs. A. Lyon joined us in place of Mrs. Forman and has already proved to be an excellent matron. Mr. B. Elgie has taken over hostel duties from Mr. Fuller. We hope they will both enjoy their stay in Burnham.

We have had several changes in the prefects this year. D. Russell, G. Bruce, our head boy, B. B. Aitken and E. Schultz all left us during the second

term. D. Hoyle was promoted to head boy. The newly elected prefects were M. J. Van Eden, R. Hatfield, P. H. Corby and W. Lubbe.

Rugby training began during the first term this year and in the April-May holidays the twenty-two boys selected for the tour of South Africa departed on the train bound for East London. Amongst these players Burnham was well represented by E. Schultz, W. P. Van der Merwe, M. Van Eden, R. Hatfield and D. Kerrick-Walker, all of whom had a most enjoyable time on tour.

This year we have lacked seniors but we have still held our own on the sports field. Schultz and Van der Merwe must be congratulated on being awarded their team blazers for rugby, and Hatfield his colours for athletics.

Launder gained a team blazer and Kerrick-Walker a re-award for cricket. Burnham has also provided five first team tennis players. Hatfield, Cooper and Hess have represented the school in the athletic team. These boys must be congratulated on their fine efforts.



BOARDERS' SECOND HOME

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Life saving has been a great attraction this year. Rogers, Hess, Taverner and Barrett have all qualified for the Bronze Cross and the Bronze Medallion. Rogers has also gained a Scholars Instruction Certificate. Three of our Form Ones have already qualified for the intermediate in life saving.

In conclusion I would like to thank the Staff for their co-operation in running the Hostel throughout the year. To the boys who are leaving the Hostel I wish good luck in their future careers and to those who are staying on, good luck and keep Burnham on top where it belongs.

(D. Hoyle)

Shangani House

Superintendent - - - Mr. Gilchrist

Staff:

Messrs. F. van Zyl, G. Ferreira.

Mesdames B. Arthur, E. Innes,
C. Somers.

Prefects:

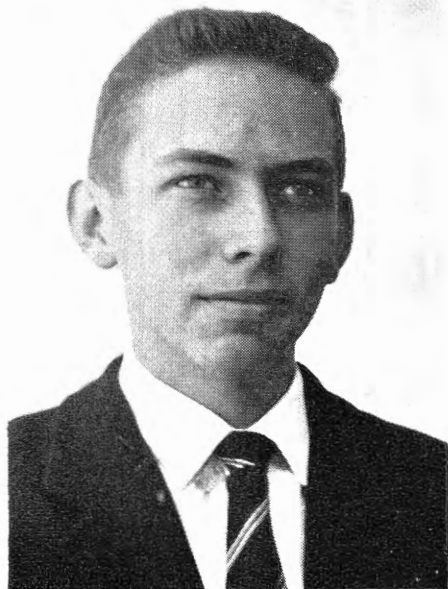
T. Foster, F. Smithdorf, D. Chomse,
P. Palmary.

It has been a happy year and the boys of Shangani have once again played a full part in the life of the school. All have helped to maintain a reputation of which we in Shangani are proud.

All the members were sorry that both Mrs. Light and Mrs. Stericker had to retire owing to illness. They are missed by all in the hostel. We welcomed Mr. van Zyl and Mr. Ferreira, Mrs. Innes and Mrs. Somers into hostel at different times during the year. We would like to thank Mrs. Gilchrist for giving a helping hand in the kitchen while we were short staffed.

Many of the Shangani boys have distinguished themselves on the sports-field this year. M. Kydd and G.

Beaumont represented us at the Inter-School Athletic Meeting and both of them were awarded team blazers. M. Payne and T. Foster were our only



T. FOSTER

representatives in the 1st Cricket XI. Both gained team blazers. Those who played for the 1st Rugby XV were D. Chomse (colours), D. Parham (colours), F. Smithdorf (team blazer), M. Kydd, S. Kruger, G. Croxford, and R. Lympny. Chomse and Parham were chosen to play in the Rhodesian Rugby Schoolboy trials. For this they must be congratulated. Parham was voted the outstanding rugby player of the year.

T. Ford (team blazer), T. Foster (team blazer) and K. Doherty all played in the 1st Tennis Team. Ford was captain. D. Chomse (colours), M. Aldridge (colours) and G. Crawford (team blazer) all played for the 1st Water-Polo VII which won the Crusader Shield this year. Chomse

was captain of the team.

Chomse was awarded the Fiorey Cup for the outstanding Cadet last year. He was also made a school prefect this year.

I would like to congratulate the above mentioned as well as those members of the hostel who did not manage to get into the first teams.

In conclusion I would like to wish all those leaving the hostel at the end of the year all success in the future.

(T. Foster—Hostel Prefect)

Round the Houses

Browning

House Master - - - Mr. McArthur

Staff:

Mr. van Zyl, Mr. du Preez, Mr. Pert,
Mr. Westaway, Mr. Coburn.

Captain - - - - A. Adamson

Vice-Captain - - - - R. Bartlett

THIS year the Browning Athletic team suffered from a shortage of Juniors and for the first time in 7 years failed to win the Annual Athletic Meeting. Despite this, Hess put up a creditable performance in the Inter-School Sports, gaining 2nd place in the Shot and 3rd in the Discus and Javelin. Chris Garnett was unlucky not to win the Javelin but came a very good third, and also gained second place in the Discus. Congratulations must go to Chris Garnett and Ronald Hatfield on gaining their athletic colours.

In Rugby we were well represented by Adamson (Captain), Bartlett (Vice-Captain), and Lumsden who received their colours, and by Hatfield and Smith who gained team blazers. Lympany and Croxford also played in several games.

Adamson, Bartlett, Kennedy and Croxford also represented Browning in this year's successful Water Polo team. The first three received colours.

The 1963 gala was again won by the House and A. Adamson must be congratulated on winning the 100 yds. breaststroke in the Inter-School swimming gala. We hope to do the same in 1964.

In cricket, Foster, K-Walker and Adamson (Vice-Captain) have represented the House admirably with Kerrich-Walker showing some impressive form.

This year saw the start of hockey, with many members of Browning representing the School.

In conclusion, Browning would like to thank the Staff for their hard work during the athletics and the swimming seasons. Those who have not been mentioned also receive special thanks for their behind-the-scene efforts. Good luck to all our School Leavers, and to those remaining, let us hope the following year will again spur Browning on to victory.

Newton

House Master - - - - Mr. West

Staff:

Messrs. Byerley, Fuller, Morris, and
Mrs. Swift.

Captain - - - - - D. Chomse

Vice-Captain - - - - C. Brown

DURING the year we lost two valuable members of staff—Mrs. Swift and Mr. Fuller. We would like to take this opportunity to thank them both for their help and advice.

Owing to a "shortage" of athletes, Newton could do no better than gain third place in the Annual School Athletic Meeting. Members who distinguished themselves were D.

Cooper, G. Beaumont, T. Tyson and M. Morfett. Congratulations go to G. Beaumont, for being awarded his team blazer for athletics.



D. CHOMSE
Captain of Newton House

In the 1st Rugby XV Newton had six members who played at one time or another. D. Chomse and C. Brown were awarded their colours, and F. Smithdorf gained his team blazer. Others who played were Byerley, Lindsay and Boswell. Newton came second in the Seven-a-side Rugby house-competition. This was mainly due to the efforts of the Under 14 and 15 teams.

The Water-Polo season was outstanding: D. Chomse was captain of the 1st VII that won the "Crusaders Shield" for the first time in twenty-one years.

T. Foster (team blazer), D. Cooper and K. Lindsay played in the tennis team, and proved worthy of their positions.

The 1963 Swimming Gala proved successful for Newton, as we gained second place. Special mention of S.

Peatfield must be made as he won the trophy for the most outstanding Under 13 swimmer. Well done Stuart.

The cricket season saw Foster, Nelson, Blaver and McDermot play for the 1st XI. Congratulations to T. Foster for being awarded his team blazer.

I should like to thank the staff for the time and encouragement they gave the boys during the year in the various sports. Finally I wish all Newton House members leaving the School the best of luck in their future careers.

(D. Chomse—Captain)

Scott House

House Master - - - Mr. Wright

Staff:

Messrs. Roberts, Tinker, Ashmole, Learmont, and Mrs. Knox.

Captain - - - - - M. Kates

Vice-Captain - - - V. MacKenzie

THE year 1964 was fairly successful for Scott House in all fields with the exception of athletics. Our outstanding athlete was Rob Lloyd. In the course of a month, Rob smashed the school 880 yards record four times, and he also chopped ten seconds off the mile record. These fine efforts, the result of long, hard training, duly earned him the striped blazer for Athletics. Congratulations Rob!

Scott had only three members in the 1st Rugby XV: McDougall, who was re-awarded his team blazer, Van Eden, who played occasionally, and Kates, who was awarded full colours.

This year, for the first time, a full scale inter-house seven-a-side rugby tournament was staged. A valuable shield was presented to a victorious Scott team at the rugby dinner. There was a Scott finalist team in every age group, and although the Under 13's

were our only winners, our overall points tally was enough to earn us the shield.

Vic MacKenzie (Captain) and Mickey Payne were our only representatives in the 1st Cricket team, and in Water Polo, Mickey Aldridge (colours) was our only member of the team that carried off the coveted Crusader Shield.

Scott Life Savers had a very successful year. Robert Reid gained the Scholar Instructor's Certificate. Aldridge the Award of Merit; King, Barrett, Reid and Stiefel, Bronze Crosses, and Preston the Bronze Medallion.

On the Hockey field, we had four players, two of whom earned half-colours.

In closing I would like to thank the Staff for all their help during the year, and wish Scott House the best of luck in their sporting future.

Wellington House Report

House-Master - - - Mr. Byerley
(Mr. Fletcher 1st & 2nd Terms)

Staff:

Messrs. Edmond, Sinclair, Chipperfield
and Mrs. Maguire

Captain - - - - - J. Ball
(M. Kydd 1st & 2nd Terms)

Vice-Captain - - - - - N. Carr

CONGRATULATIONS, Wellington,
on a very successful year.

Thank you, all the boys who helped Wellington win the Annual Athletic meeting and so break Browning's six-year hold on the cup. Special mention must be made of V. Hogg, G. Isaac and the Dayton brothers who walked off with four of the five cups for best individual in the various age groups.

We were well represented in the

Inter-School team by Hogg, Slade, Isaac, R. Dayton, Nel, Peche, J. Dayton and Kydd. Congratulations must go to the latter two on receiving Team Blazers.

Wellington helped the Water Polo 1st VII to win the Crusader Shield by supplying J. Ball, J. Dayton and C. Christie. Congratulations to Ball and Dayton for receiving Colours.

The 1st Rugby XV was well supported by Wellington this year. Parham, Dayton, Ball, Kydd, Carr, Schultz and Kruger all played for the team during the year. Congratulations to Dayton and Parham who were awarded colours and to Ball who received his Team Blazer.

This year a seven-a-side Rugby Tournament was held between the houses. We managed to come third, and thanks must go to all the boys who supported the house.

Launder, Carr, Dos Santos and Ball all played regularly for the 1st XI Cricket team.

This year hockey was introduced in the school. Two of the 1st XI were Wellington members, Dos Santos and Van Olst. We hope this new sport will increase in popularity next year.

Another new sport is Soft-ball. We will have a senior baseball side in years to come and the efforts of the juniors show promise.

On behalf of the house I would like to thank the staff for giving up their valuable spare time in order to support the house, especially during the sports. They have helped, along with the boys, to make this a memorable year for Wellington. Finally, if I have left out anyone who deserved mention, I apologise.

I hope the house will not rest on its laurels but strive to do even greater things next year.

(J. Ball)

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Capt. R. H. H. Orchard.

Training Officers:

Lt. W. Ashmole, Lt. J. du Preez,

Lt. M. Sinclair, Lt. D. van Zyl.

Cadet Officer - - 2/Lt. D. Chomse.

THE change over to the Southern Rhodesia Army has brought in its wake numerous difficulties in the running of High School Cadet Units. In this school we were unfortunate to have lost nearly all of the Officers of this Unit at the same time as the break up of Federation.

The Southern Rhodesia Army has also been short of instructors; this shortage combined with the loss of most of the trained Officers of E. & N. Coy. has left a vacuum which is I am glad to say almost filled.

Recruit training and Certificate A Part I training has gone very well this year with about 70% passes in the two exams. Certificate A Part II training has suffered a little due to lack of instructors; the passes here are down to about 35%.

Cadet N.C.O's have done a very good job assisting in the training of recruits and the Certificate A Part I course.

The range has not been used to the full this year due to the lack of .22 rifles. This Unit has now purchased 4 Greko (Mauser) .22 rifles and 1 B.S.A. Martine Special .22 rifle. We have also 1 B.S.A. Match rifle making 6 in all. The coming year should see plenty of use of the range and we have high hopes of winning many competition shoots against other schools.

The annual Bivouac Camp has been put off until April of next year when we will be limited to 60 cadets from this school.

We congratulate 2/Lt. Chomse on the cadet commission this year, and Mackenzie and Bowles on promotion to C.S.M.

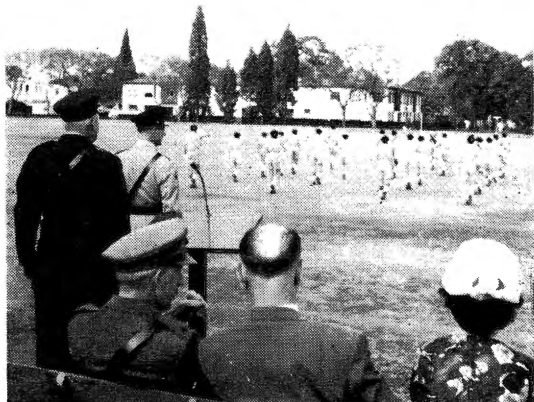
The Unit is very short of Cadets to go forward for leader training and we hope to have many more cadets brought up for promotion in the coming year. The Cadet day will be changed to Monday afternoons and the time extended to 4.15 to make up for the Mondays lost in Public Holidays.

The annual Ceremonial Parade held on the 21st October and attended by a fairly large crowd was a most

THE

GENERAL

INSPECTION



impressive affair. After the Company had been inspected by the Inspecting Officer, Col. Grainger, he addressed the assembled Cadets. Reference was made to the fine turn out and smart dress.



CADET OF THE YEAR—C. BOWLES

C.S.M. Bowles was then presented with the Florey Cup for the best Cadet of the year. The afternoon ended with training demonstrations on fieldcraft, the handling of L.M.Gs, firing on the .22 rifle range and radio signals.

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The Bugle Band

IT was obvious at the beginning of this year that new members would have to be recruited, owing to the fact that many of our senior boys had left the previous year. Most of the second term was spent in training the newcomers. It was at the end of the second term, however, that we suffered a blow in losing three of our principle buglers, namely Smith, Parham and Russel.

Several changes were now necessary and our leading drummer, Lloyd, took up the position as leading bugler, at which he has been very successful.

With only four weeks to go to our Annual Cadet Parade a few new members were brought in and the Band set to work. For the next three parades the leader of the police band and several of his band members kindly came and gave us the benefit of their superior knowledge. It was mainly due to their hard work that the Band put up a very good show at the Annual Inspection.

Thanks must go to Mr. Sinclair for his help during the term and to Mr. Orchard for enabling us to be fully equipped during the year, but the boys themselves must receive most thanks for their enthusiasm during our troubled year.

The senior boys, set a good example for the several new boys during the year and these newcomers, Marshal, Marsh, Dougherty and Macdonald are showing promise. With 1965 already looming ahead they will be the mainstay of the band for a few more years.

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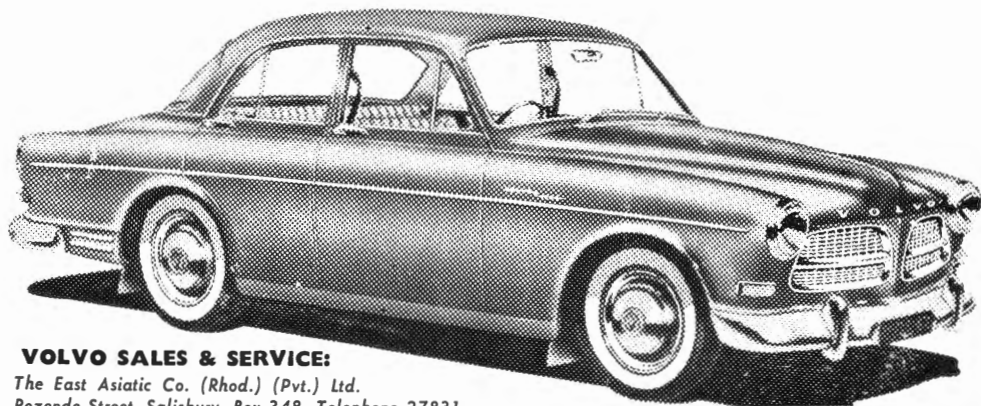
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Among the Clubs

Archery Club

WE have had another very pleasant year, meeting regularly on Mondays and Thursdays and many members have made excellent progress; unfortunately, we lost several very promising shots during the year—beguiled away to cricket or elsewhere—and, as the first members are only now graduating to the 40-yard range, we still are not able to put a team into the field to challenge other school archers. That, however, will come in time.

During the year we had a very delightful surprise when Messrs. Eric Cross Sports, Ltd. presented us with two dozen metal arrows, which have been a great boon to members who were—as so many are—short of arrows of their own. Some of the arrows have been held back and, if scores warrant it, will be presented to the “most improved archer” at the end of the year.

Art Club

MEMBERSHIP of the Club flourishes, though sporting activities frequently cause breaks in attendance. Several members, including Mackenzie, Belstead, Johnson, Lee and Shultz have had work accepted and exhibited on local exhibitions.

This year, it has been possible to arrange visits to the Museum, The Rhodes National Gallery and Canon Patterson's School of Art, all of which has helped to widen our horizons.

(V.K.)

Discussion Group

IT is a known fact that a Discussion Group such as we have at Allan Wilson, can only function on the enthusiasm of its members and not on the initiative of a teacher. This has always been the case and it is not through any fault of the staff that we passed a wholly inactive programme.

Once we had got past the annual ritual of selecting a committee, a debate was organized which was doomed to an ending made inevitable from the start. A subject like “Should ball-games be abolished in favour of athletics” can come to only one conclusion in a sporting school like ours. The motion, which was proposed by Ernie Bose and Rex van Olst, was very strongly opposed by Ron Bartlett and Micky Aldridge. Votes from the house beat the motion down unanimously and it was this failure to produce adequate and evenly-divided argument that put us off arranging another debate.

It seems that we have only a few chaps who are prepared to stand up before an audience and speak. This is a great pity in view of the amount of impromptu arguing which goes on in between lessons. It is hoped that, in future, there will be an effort on the part of the Discussion Group to stimulate debate in school time as well as after hours. Not only will this bring forward the orators among us, but it will also tend to improve the standard of English and General Knowledge which the boys display.

(R.H.L.)

Engineering



IN THE WORKSHOPS

THIS club is specially designed for those boys who are interested in doing jobs in the engineering workshops, which are not part of the set skills or compulsory projects required by the syllabus. The interest has been demonstrated by the good attendance during the afternoons and the excellent pieces of work turned out. With regard to the various exhibitions where pupils enter work, the boys had less success than in previous years.

(S. St.G. M.)

Natural History Club

THE Club came into being this year with the support and encouragement of the Head and the Deputy-Head. Apart from staff, non-members of the Club as well as Club members in the School, have made contributions to the Natural History Museum, and the Geological collection.

The biological specimens now number over 130, the mineral and ore specimens over 50. Books, pamphlets and bound pages constitute the nucleus of a specialised natural history library, and the items number over 210.

The Club has had an active year. Each of the two sections will have gone on 7 excursions, seen 18 films, listened to 5 addresses, and spent ten

afternoons on experimental work in the laboratory.

The interest that the Club has catered for has been made manifest by its attendance and programme, and it is hoped to achieve even more, along these lines, in the future. Outside the School, we have certainly introduced Allan Wilson to a wide circle of new friends.

(C.C.)

Printing Club

ALTHOUGH very limited for space, an enthusiastic and proficient group have been hard at work two afternoons a week throughout this year. Five boys began the year in narrow confines between the Engineering Workshop and the Armoury: nine ended the year in elbow bashing business.

Owing to the worn cogs and stiff joints of the 1928 'Heidelberg' and the inability of the printing machine experts to get the senile fellow to co-ordinate its many functions, the press was partially dissembled. Today any trade-union man would be horrified to find four very active machinists manually assisting in operations of the Heidelberg, instead of pushing a button, and depending on Kariba power for the rest.

There is also a little 'Adana' hand-press. She has spent most of the year inviting people to school functions, boasting about Pure Rhodesian Honey, and wishing hundreds '... a happy Christmas and very prosperous New Year.' If the sale of Christmas cards brings that prosperity, a new 'Adana' will find a home in the cramped precincts of the printing room.

Without a doubt the best job undertaken by the club this year was the production of the menu card for the Annual Rugby Dinner. The School

colours were used—a deep red cover with black printing. For this and a number of other tasks which required many hours of overtime, the only tangible compensation was one of Sam's "cokes".

The school thanks the boys for their fine work during 1964.

(G.R.)

Photographic Club

THE club has unfortunately been particularly inactive this year. During the first term, the four or five attenders spent most of their time developing films. Very little printing was attempted, or, has been done since. Team photographs were taken over a period of many weeks. Without a trained group of four to do this printing, a delay in completing the four hundred odd orders was inevitable. The time has come to 'pass the buck' to a commercial concern and give the club the opportunity of getting on with photography.

(G.R.)

The A. W. Radio Club

THIS Club does useful work every year, and when I joined it about two years ago, it was engaged in putting up the public address system.

For the boy who is keen on radio, this Club provides an outlet for his enthusiasm and it helps his physics. This is because, if you want to build radios, you get more enjoyment out of them when you understand the theory of them. It also helps when you have a radio to repair, for, to do this, you certainly have to know some theory. Incidentally, this is a hobby that earns money for you through the medium of radio repairs.

When you are in the Club, you soon start your own set, and with all the

equipment available, it works out better than making the set at home. Furthermore, the Club master came to an agreement with a radio firm in town, and now we are able to obtain all of our parts at a discount.

As well as fixing Public Address Systems for the sports and plays, the senior members fix the various appliances which masters bring. Mr. Byerley, the Club Master, organises lectures and demonstrations: outstanding lectures were given by Mr. Bass on computers, and Mr. van Olst on radar.

Mr. Byerley is looking for members from the upper streams, and, if anyone is thinking of joining, I can assure you that this is a worthwhile club to be in.

(P. Eldridge—Form 5)

Woodwork

A HIGH standard of workmanship is being maintained in both the cabinet work and the lathe turning sections.

The experiment of selecting pupils from Form I and encouraging them to try their hand at making articles suitable for exhibition purposes is still paying dividends. This is proved by the results of this year's Royal Agricultural Show—Home Industries Section. A list of all prize and award winners is given below.

Owing to the fact that no suitable hall was available during the second term, the Allied Arts and Crafts Exhibition had to be cancelled. Although this was disappointing the School would only have been able to exhibit a few articles. As the workshops were being rewired a great deal of the time was wasted and many pieces of furniture remained incomplete for an unnecessarily long period. The boys therefore had to spend the first week of the last holidays putting

finishing touches to and polishing their exhibits.

I am very pleased that the lads show so much keenness and look forward to the coming year.

Prize Winners:

Form I:

First—D. Blakey, G. Mowat
Second—J. B. Wheeler, C.
Kawalec, E. Whitmarsh
Highly Commended—H. M.
Barnfield, A. E. Halliday, C.
Aitken, C. B. Bedford-Shaw

Form II:

First—H. M. Adams
Second—C. Roberts, M. Stalley
Highly Commended—D. Cooper,
G. M. Mason, G. Pretorius
Special South African Timber
Company Cup and Miniature:

H. Adams

Form III:

First—D. D. Carter, J. Rein
Second—C. Combrink, R. L.
Metcalf

(H. G. L. W.)

Scientific Society

IN the first term we were fortunate to be addressed by Mr. P. de Bruin on certain aspects of gravity. During the term we also visited the Post Office Training Centre. Various film shows were included in the activities of the club.

Work on the Van de Graaf Generator, a construction project undertaken by this club, has been held up owing to lack of funds to procure additional material. A major problem to be resolved is the construction of the dome for the generator.

(P. Feiertag—Chairman)

On the Sports Field

On Track and Field . . . Athletics, 1964

ENTHUSIASM and a high degree of fitness were the factors which made 1964 one of the most colourful years Allan Wilson has ever seen in track and field events. Thanks to Mr. du Preez, potential athletes rose from nothing to break records by margins unheard of in the history of the School. Not only did we succeed in making Saturday, 11th April, a brilliant Inter-House meeting, but we also sent the largest team for a long time to the Inter-Schools meeting at Churchill one week later.

Mr. du Preez, whilst training up to Olympic standard himself, coached all age groups in sprinting, jumping, hurdling, throwing and long-distance running so that we were capable of competing with the best of the other schools in informal Inter-School meetings held regularly before the 18th April. This meant that most of the better athletes had had some experience before the main meeting and did not suffer quite so much from the nervous-



NEL and COOPER
In the 880 yards U.16.

ness which inevitably precedes an event.

This did much to stimulate keen competition, particularly among the juniors. The Best Under 13 award went to V. Hogg and the Best Under 14 award to G. Isaacs who ended up with three first places. The Best Under 15 and the Best Senior awards went to the Dayton brothers who each gained four first places. Glyn Jones scored a remarkable total of five first places to carry off the Best Under 16 trophy. Wellington House, for the first time in many years, was the overall winner, while Browning House won the Combined Field Events and the Combined Relays, thanks largely to their senior teams. Scott House took the Combined Open Long-Distance award.

The most noteworthy of the records set were:

U.15 Shot Putt:

42 ft. 11 in.—N. Hess.

U.15 Discus:

116 ft. 8½ in.—N. Hess.

U.16 Long Jump:

18 ft. 6 in.—G. Jones.

Senior 440 yards:

52.7 secs.—R. Hatfield.

Senior Discus:

127 ft. 1½ in.—C. Garnett.

Senior Javelin:

127 ft. 6 in.—C. Garnett.

Senior 880 yards:

2 min. 2.3 secs.—R. Lloyd.

Senior 1 mile:

4 min. 48.3 secs.—R. Lloyd.

Senior 4 x 110 yards Relay:

46.4 secs.—Browning.

Of the above mentioned, Hess is an outstanding prospect in future field events, while Glyn Jones shows promise on the track as well as in the long jump.

In closing, may we thank all those who helped to make our Annual Sports

Meeting the success that it was. Let us hope that there will be as much enthusiasm on the part of both boys and masters to make things run as smoothly in future years as they did in 1964. This year has certainly seen a breakthrough in the standard of athletics at Allan Wilson.

(R.H.L.)

Basket-Ball

THANKS must go to Mr. Cooper for providing a basket-ball court in the gymnasium. Being narrowly defeated by Prince Edward in our second match this year we now hope for better things in this year's championships for the Major Leylands Trophy.

The number of boys attending this sport is quite staggering, and, they are truly enthusiastic.

(T.E.)

Softball and Baseball

THE third term of this year has seen the introduction of Softball in the school. At the present moment we are running only three teams—U13, U14 and U15. However, in 1965 it is hoped to run U14 Softball and both Open and U15 Baseball groups. As yet, success has not come our way but next year we hope to win several of our fixtures. Despite our defeats at the hands of Churchill and Cranborne much has been learnt this term and we have achieved our aim in providing boys with a lively alternative to cricket.

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1st XI Cricket



Standing: M. Payne, A. Dos Santos, J. Ball, N. Launder, M. Lumsden, L. White.
Seated: T. Foster, N. Carr, Mr. Tinker, V. MacKenzie, M. Gilchrist, A. Adamson,
D. W. Kerrick-Walker.
Front: D. Nelson, D. Carter.

CRICKET in the school has, in past years, not proved successful if one studies results and performances, but it has been pleasing to see the determination of the boys when they have had their backs to the wall.

However, it has been encouraging, this year, to note that most teams in the school have won the majority of their matches, many of them convincingly. This augurs well for the future 1st team.

The 1st XI were coached by Mr. Tinker in the 1st term and by Mr. Van Zyl in the third term, and thanks must be given to both of them.

Inexperience and lack of natural talent has been obvious in most games, and this, combined with occasional poor fielding, has been partly responsible for defeat in some games where victory seemed possible.

Kerrick-Walker has been the only consistent batsman in the side and in

the 3rd term in particular he has had many determined knocks. Launder, who shows much promise, was extremely disappointing as his concentration too frequently lapsed when he seemed set for a big score. For the rest the batting was indifferent and erratic, though McDermott and Dos Santos had some whirlwind scoring sprees.

The bowling was spearheaded by Dos Santos and Carr who both looked hostile given suitable conditions. Santa Clara, until he left at the end of the 1st term, was the most successful bowler. The bowling of Dos Santos improved with every appearance and he could be a bright prospect next year, while McDermott also showed considerable improvement as a bowler. The greatest disappointment has been Launder's loss of form as a leg break bowler, as he had previously been rather promising.

The performances of some of the younger teams have been rather encouraging and prospects for the 1st XI in future years seems highly promising. It is hoped that sufficient of this year's team will be returning to form the nucleus of next year's team.

The following have represented the 1st XI regularly in 1964:—

MacKenzie (Captain), A. Adamson (Vice-Captain), N. Launder, D. Kerrich-Walker, N. Carr, T. Foster, J. Ball and A. Dos Santos.

Other players are MacDermott, White, Nelson, d'Oliveira, Blaver, Irwin, and Santa Clara.

(A.A. & V. Mac.)

2nd XI Cricket

IN the matches during the first and third terms, the 2nd XI proved that they are capable of matching far stronger teams than was possible in the past. On occasions, the 'could not really care' attitude dominated the usual fighting spirit of the team. This is a pity as greater credit could have been brought to the side.

During the latter part of the season the team lost MacDermott and d'Oliviera to the 1st XI, and, this team gained a few 1st XI players along the way. Harris captained the team throughout the year.

Of the six matches in the third term, three were won, two lost and one drawn. In the first term the team lost four of the six matches played. From the spectators' point of view the most exciting batsman was probably Clarke, who ran himself out more often than being bowled or caught. With a: "... come on run", every few balls he hit a quick 43 against Mount Pleasant and 35 against Sinoia. Haddon, Harris, Nelson, Irwin and Blaver had impressive scores in various games. Blaver and Jones were the two most successful bowlers—taking practically all the

wickets between them. Metcalfe bowled well against Oriel. Other members of the team were Brinckmann, Bruce, Summers Surgeon and Case. Harper and McCulloch were unfortunately unable to play during the last term.

Vs. Prince Edward:

A.W.—113 for 4 (Harris 36, Brinckmann 37).

P.E.—54 (Jones 5 for 24, MacDermott 5 for 27).

(Won).

Vs. Peterhouse:

A.W.—133 for 8 (Haddon 42, Irwin 33).

P.H.—136 for 3 (Blaver 2 for 52).
(Lost).

Vs. Oriel:

A.W.—136 for 3 (D'Oliviera 59, Jones 42).

Oriel—39 (Jones 6 for 11, Metcalfe 3 for 8).

(Won).

Vs. Mount Pleasant:

A.W.—150 (Nelson 47, Clarke 43).

Mt. P.—190 for 7.

(Lost).

Vs. St. George's:

A.W.—157 (Harris 31, Blaver 30, Irwin 26).

St. G.—127 for 6.

(Draw).

Vs. Sinoia:

A.W.—151 for 9 decl. (Clarke 35, Bruce 24).

Sinoia—49 All out (Blaver 7 for 12).

72 All out (Jones 6 for 30, Blaver 4 for 41).

(G.R.)

Under 15A Cricket

THE improvement in this side since last year has been tremendous. The co-operation and team spirit plus the enthusiasm and desire to work hard at net practices has been largely responsible for their success.

The side has been well led by Appel and his devotion to the team has undoubtedly had an effect on the way the team has performed. Mroz has been the mainstay of the attack, and with his left arm in-swing bowling he has caused devastation among the

Match Drawn.

Vs. Mount Pleasant:

A.W.S. 105 for 4 wks. (Mroz 40 not Mt. Pleasant 33 all out (Rossi 5 for out. Rossi 37 not out).

3. Van Eden 3 for 8).

Won by 72 runs.



UNDER 15A CRICKET TEAM

The most improved team of the year

ranks of the opposition batsmen. It was he who was largely responsible for the fine victory against Prince Edward in the third term. His batting has also been good and at one stage in the first term he had an average of 106. Van Eden and Rossi have shown promise as bowlers while Wight is developing into a good all rounder. Mulholland shows promise but has been disappointing in his performance.

The following have regularly represented the team: Appel (Capt.), Mroz (Vice-Captain), Arrowsmith, Mulholland, Rossi, Wight, Blake, Connolly, Van Eden, Duarte and Curtis. The year's results are:—

Vs. Umtali:

Umtali 131 for 9 decl. (Mroz 3 for 29. Rossi 4 for 36).

A.W.S. 114 for 7 (Mroz. 31 not out. Appel 20).

Vs. Ellis Robins:

A.W.S. 107 for 5 decl. (Mroz 35. Appel 27 not out).

Ellis Robins 87 (Mroz. 4 for 26. Van Eden 3 for 11).

Won by 20 runs.

Vs. Jameson:

Jameson 61 all out (Mroz 4 for 31. Rossi 3 for 1);

and 14 all out (Mroz 3 for 2. Curtis 3 for 2. Van Eden 3 for 4).

A.W.S. 223 for 9 decl. (Appel 66. Arrowsmith 29, Conno'ly 25 not out).

Won by innings and 148 runs.

Vs. Churchill:

A.W.S. 49 all out.

Churchill 52 all out (Van Eden 5 for 21. Mroz 4 for 20).

Lost by 3 runs

Vs. Prince Edward:

A.W.S. 82 all out (Wight 23).
Prince Edward 148 for 7.
Lost by 6 wickets.

Vs. Prince Edward:

A.W.S. 59 all out (Blake 20).
P.E. 48 all out (Mroz 8 for 21).
Won by 11 runs.

Vs. Ellis Robins:

A.W.S. 144 for 4 decl. (Mroz. 67 not out, Mulholland 37 not out).
Ellis Robins 102 for 7 wickets.
Match Drawn.

Vs. Oriel:

A.W.S. 73 all out (Wight 31).
Oriel 19 all out (Van Eden 5 for 5, Mroz 5 for 12).
Won by 54 runs.

Vs. Mount Pleasant:

A.W.S. 143 fr 4 decl. (Mroz 53 not out, Appel 51 not out).
Mt. Pleasant 125 for 6.
Match Drawn.

Vs. St. George's:

St. George's 65 (Rossi 4 for 7, Mroz 2 for 0).
A.W.S. 89 for 9 (Wight 34, Mroz 21).
Won by 7 wickets.

Vs. Churchill:

Churchill 95 (Blake 3 for 10, McDonald 3 for 30).
A.W.S. 68 for 3 (Mroz 24 not out).
Match Drawn.

(W.A.)

Under 15B Cricket

AN enjoyable term's cricket, with plenty of fairly successful abandoned hitting. The opening bowling of McDonald and Keene proved to be too much for most of our opponents and we only lost to Peterhouse and St. Joseph's. Paton captained the side.

(F. v. Z.)

Under 14A Cricket

THE 1964 year has been good for this group. There have been a number of fine performances on the part of both batsmen and bowlers, but fielding has, at times, left a lot to be desired. The third term has been outstanding as the team reached the half way mark with an unbeaten record.

Vs. Prince Edward:

P.E. 175.
A.W. 86 for 7 (Kawalec 33, Morfett 40).

Match drawn.

Vs. Ellis Robins:

E.R. 55 (Morfett 5 for 17, Kawalec 5 for 34).
A.W. 56 for 3 (Isaac 26 not out).
Won by 7 wickets.

Vs. Oriel:

Oriel 116 (Kawalec 7 for 56).
A.W. 62 for 6 (Manning 21 not out).
Match drawn.

Vs. Mount Pleasant:

A.W. 90 (Gammage 26).
Mt. Pleasant 73 (Morfett 5 for 27).
Won by 17 runs.

Vs. St. George's:

St. George's 128 (Candy 3 for 8).
A.W. 87 for 7.
Match drawn.

(P.R.)

Under 14B Cricket

A VERY enjoyable two terms' cricket has been enthusiastically played by the group this year. Although we did not win every match we played, the team's morale and loyalty were always at a high level. In the second term the team lost Gammage, their captain, to the 'A' group, and LeNoury has proved an able successor. The whole team has improved in ability throughout the year.

(T.L.)

Under 13A Cricket

AFTER a tentative start this side has settled down into a useful and enthusiastic team which has brought, and can be expected to bring, much credit to the school both on and off the field.

They had a mixed first term in winning 4 matches, losing 3 and drawing 1, but after being "outgunned" in September by the powerful Prince Edward side they have not looked back. They have avenged their defeats at the hands of Mount Pleasant and the Under 14A and hope to deal with Umtali at the end of the month.

Much credit must go to Mr. Fuller for the emphasis he placed on fielding and for the team spirit his enthusiasm generated in the first term.

Hogg and Ristow have kept the side together very well as captain and vice-captain. Field placing has been good and, apart from 15 minutes at Oriol, there has been determined fielding by all. McRobb, Blake, Hogg, Slade, Taylor, and Miles (a newcomer to the side) being outstanding.

The side's batting has hinged on Ristow, Blake and Slade but Mitchell and Baldwin have batted with courage and determination which must ultimately reap its just rewards.

Hogg, Sims and Slade have carried the penetrative bowling mantle effectively, the latter developing particularly well at the end of the season. Mitchell is a very good off-spinner and uses the crease to effect, while McRobb can always be relied upon to bowl a steady length and use the seam with purpose.
(R.T.)

Under 13B and 13C Cricket

BOTH teams enjoyed their cricket and managed to win the majority of games. As usual the sides lacked any really good batsmen but enthusiasm and hard hitting were often enough to win the game, after remark-

ably fine performances of the bowlers and fielders.

Stalley captained the B side ably and made some well timed declarations leading to several exciting finishes. Stalley, Isaacs and McAdam produced several responsible batting performances and Tenkrooden and Schillaci, besides bowling extremely well, could usually be relied upon to score runs quickly. Miles and Barclay also bowled well, as did Nelson when he was prepared to flight the ball.

For the C side, Mannix, the captain, bowled extremely well and managed the side excellently. Dewar was the most consistent batsman while Martin, Meyer and, recently, Culpán, all bowled well. In this team, too, most of the runs came at the end of a long handle.

This has been a happy year's cricket and we hope they will all enjoy their cricket for many years to come.

(R.W.)

Hockey

TOWARDS the end of the first term, enthusiastic groups of boys were to be seen hitting old cricket balls at rugby posts with their sisters' hockey sticks. Events followed swiftly: Mr. West kindly made the hockey posts, a piece of ground became available on the Oval as a result of re-arrangement of rugby fields, Mr. Cooper marked out the ground and hockey was firmly established as a school sport.

Much of the credit for introducing the game must go to Vic McKenzie who gathered together a group of boys whose previous experience ranged from "played hockey in Junior School" and "frankly nil" to "play soccer regularly". This latter group, apart from difficulty with the obstruction rule, developed into fine players.

Two teams, drawn from the above thirty players, played matches for the

school. The first team played 15 matches, won 6, drew 5 and lost 4. Their opponents varied from third teams of schools with well established hockey sides to first teams of schools who have introduced hockey more recently.

As might have been expected, the team had much to learn; but they learnt quickly and for this we thank Mr. Ross Fuller and Mr. George Stander for their valuable assistance. Positional play in general was poor but, when the team learnt to swing the ball about they put up some excellent performances although they were unfortunately inconsistent. Passing and fielding improved considerably and some players developed polished stick work.

The 1st team was ably and enthusiastically captained by V. McKenzie. A versatile player with tremendous drive, he started off the season as a very successful centre forward. However, he was of far more value to the team as a full back, where, combining with Bruce, he was invaluable in changing errors in defence to valuable attacking positions.

Murdock and Van Olst were outstanding as forwards; they developed really fine stick work which resulted in a large number of excellent goals. They were ably assisted by Dos Santos, Santa Clara and Lloyd. The half back positions were competently filled by Rossi, Magner and Jones while Marks was always reliable in the goals. McKenzie, Murdock and Van Olst were awarded team blazers for the season.

The second team also did well to win about half their games and several players should do well next year. In all a most promising start to Hockey in the School.

(R.W.)

Life-Saving

THIS activity has grown in numbers and popularity. Once again we have had no failures and as the following results show some rare awards have been obtained.

Awards of Merit—3.

Instructor's Certificate—2.

Scholar's Instructor's Certificate—2

Bronze Cross—7.

Bronze Medallion—10.

Intermediate—8.

Safety Awards—3.

By the end of the third term we should have added at least another 35 awards to this list.

(T.E.)

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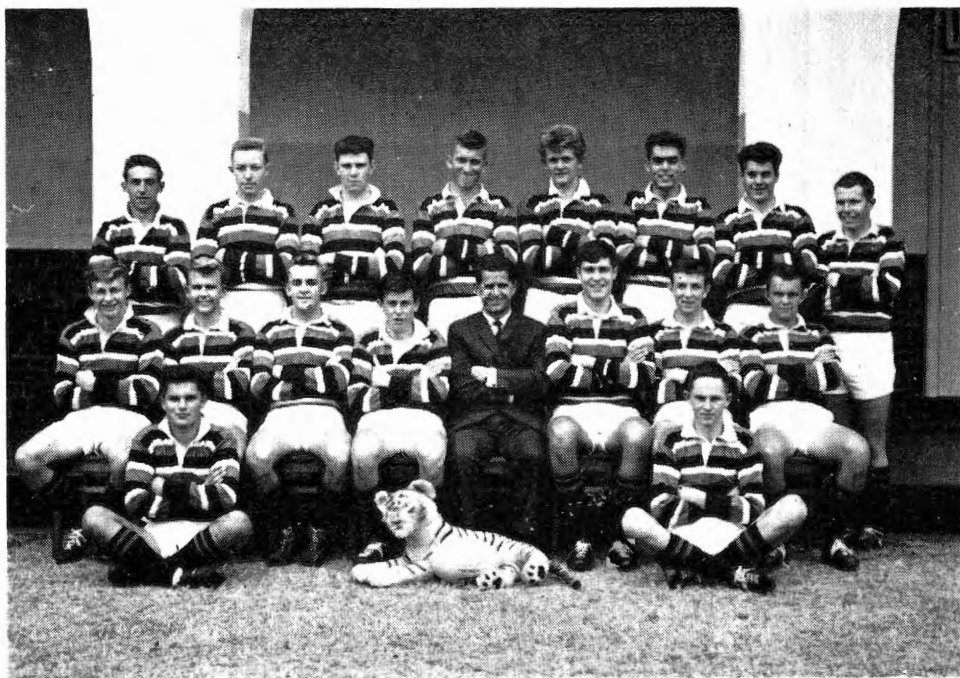
Vice-Captain - - - - R. Bartlett

THIS was truly an exceptional team.

During the season they played 13 games of which they won 6, lost 6 and drew 1. Points scored were 161 for, and 147 against. These are very significant facts, considering that the average age of the team was only 16 years 7 months.

There were eight players whose performances will not be forgotten for many a long year—they were A. Adamson, R. Bartlett, M. Lumsden, J. Dayton, M. Kates, C. Brown, D. Chomse and D. Parham.

1st XV Rugby



Back Row: R. Hatfield, S. Kruger, P. Van De Merwe, C. Brown, D. Parham, L. Lymaney, M. Kates, A. Smith.

Seated Centre: J. Ball, M. Lumsden, F. Smithdorf, A. Adamson, Mr. Edmond, R. Bartlett, J. Dayton, D. Chomse.

Front: R. MacDougall, V. Boswell.

Although six players, Adamson, Dayton, Lumsden, Parham, Chomse and Hatfield were selected to participate in the trials for a Rhodesian Schoolboys' XV which was to tour South Africa towards the end of the rugby season, none made the final team.

Without a doubt the highlight of the season was the game against Prince Edward. From the invidious position of being 11—0 down in the first fifteen minutes, the School were 14—11 ahead with two minutes to go from time. Playing amazingly attractive rugby they finally lost 16—14. It was a magnificent game and, in all probability, one of the finest ever to be seen on our home field.

Another excellent game was the one against Durban High School when the school team was on tour during the April vacation. From being 11—0 down at half time, the School rallied to 11—11 with eight minutes to go. The better side won 17—11, but it was a great spectacle.

Without doubt Donald Parham was the outstanding player of the year, while Ally Adamson proved to be a brilliant captain. Outstanding amongst the forwards were Des Chomse and Mike Kates, while Clive Brown shone in all line-outs.

I am proud to have been associated with this great attacking team. (T.E.)

2nd XV Rugby

Captain - - - - - M. Harris
Vice-Captain - - - - - N. Carr

THIS was an attacking side from beginning to end. They believed that defence was relatively unimportant if one scores more points than one's opponents. It was their attitude that resulted in their winning six of eleven

games and scoring 147 points against 99. When Carr, White, Kydd, Hatfield, Smith and Kruger were on form, the combination made it an unbeatable side. With this potential they could make a 1st XV team to be reckoned with.

Many thanks for your wonderful co-operation and help during the past season. (T.E.)

3rd and 4th Rugby XV

BOTH teams had a comparatively good season. Early on we lost a few of the boys through injuries and boys gaining places in the 2nd XV. Towards the end of the season we got most of them back and began to play good rugby.

The third team's pack remained relatively unchanged. Due to this we won most of the scrums. The three-quarters were often short of men but they did their best to hold their own. The outstanding threequarters were Tyson, Corby and D. Hatfield, who really proved themselves when we beat Ellis Robins by 48 points to nil. Among the more forceful forwards were Eastman, Nel and Beaumont.

The fourth team were unfortunately less successful, although they played hard rugby, the best player being Peterson on the wing. Their defence often proved better than their attack. This was shown when they played St. Georges for the second time. The spirit was kept in both teams all the time, which helped a great deal.

It only remains for me to thank Mr. du Preez our coach, for training us, and the boys in the teams for contributing towards a pleasant term's rugby.

(L. S. Carr)

6th XV Rugby

IT cannot be said that this group enjoyed a brilliantly successful season, mainly owing to the extreme shortage of players, and a long injury list. Nevertheless, the team scored a few well earned victories and enjoyed all their games. Our thanks must go to the non-rugby players who on many occasions stepped in to bring the team up to full strength.

(T.L.)

Under 15A Rugby

THIS season was a fairly successful one for the team though some disappointing performances resulted in unnecessary defeats. A marked weakness lay in the absence of good place-kickers and this was borne out by the fact that of 35 tries scored only 10 were converted and not one penalty was scored in the whole season. Open rugby was the keynote of play and twenty-nine of the tries were scored by the centres and the wings. Top point scorer was Van Eden the left wing who scored 9 tries (27 points), closely followed by Dayton who scored 7 tries (21 points).

Dayton promised to be an outstanding threequarter early in the season but was rather disappointing with some indifferent performances in the later games. Van Eden proved an effective and fast-running wing while D'Oherty at right wing was most improved player of the side. Mulholland occasionally turned in some good performances at centre while Wight (scrum-half) and Tavener (fly-half) are beginning to combine quite well. Simpson was a late find for the full-back position and with more experience next year may develop into an extremely safe last line of defence.

The forwards generally did not come up to the same standard as the three-quarters and more drive and determination are needed in this section. Rainbow was outstanding forward with some extremely effective lineout work ably supported by Barrett and Knipe. Connolly, unfortunately injured for much of the season, was a good, hard-tackling loose-forward and De Beer was always a force to be reckoned with. Rossi played regularly for the side and was a strong prop-forward, while Murdoch was the regular hooker. Rogers captained the side until he went on holiday when this role was taken over by Tavener. King, Schillaci and Keene also played a few games for the "A" team.

The team's best performance was in beating Churchill 18—17 early in the season when Dayton showed signs of the brilliance of which he is capable.

It is hoped to keep this team together as Under 16's next year to give them another year before providing the nucleus of the 1st XV for 1966.

Played	12 games
Won	7 games
Lost	5 games

(W.E.A.)

Under 14A Rugby

ALTHOUGH losing all their games this year, most of the players showed a vast improvement in ball-sense, tackling and passing. Candy and Aitken proved to be able leaders and set fine examples on the field. As this side gets older and bigger so we can expect better results.

(D. v. Z.)

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SALISBURY

Under 14B & 14C Rugby

THESE are amongst the smallest teams in any of the schools against whom we play. At this age, weight is very significant and something we have all had to face. There is great keenness and latent talent which in the future could be used to more effect. Needless to say the team had little success this season.

(G.R.)

Under 13A and 13B Rugby

Always an interesting group, the 1964 Under Thirteen "A" team could in many ways be likened to the character in the nursery rhyme who,

Umtali on alien soil and, on one occasion, the team scored a remarkable 59 points in 50 minutes.

P.E.'s formidable machine proved too strong for the team on two occasions. They went down narrowly, and perhaps undeservedly to Ellis Robins. The only other defeat was an unexpected beating by a livelier Sinoia side.

Success was built upon a grand pack of forwards who were never really out-played and always combined well. Threequarters were often disappointing, probably because a successful second centre could not be found, but Ladds ran fiercely and Ristow played intelligently.



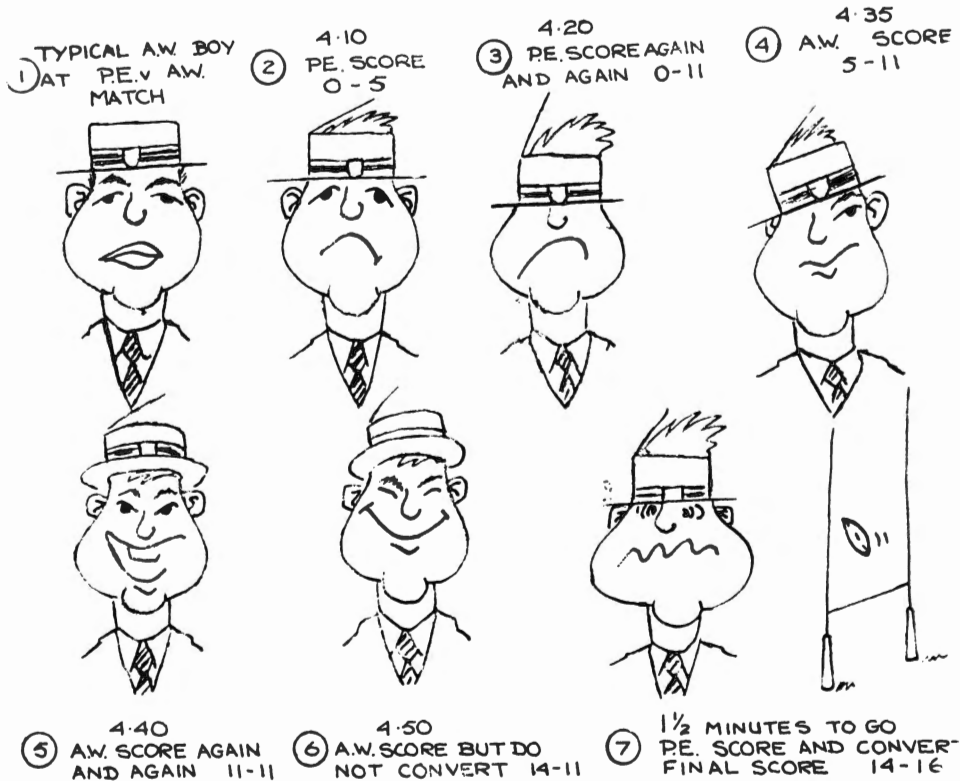
UNDER 13A RUGBY

The finest team in this age group for many years.

"... when she was good she was very good, but when she was bad she was horrid". Fortunately they were more often good than bad and notable wins were recorded against some of the stronger sides such as Churchill, St. George's, Mount Pleasant and Oriel. A courageous draw was fought against

A survey of the season would not be complete without mention of the indefatigable and remarkably successful "B" team. Led by the effervescent Baldwin, they showed great improvement and deserved the honour of ending the season with the best record in the school.

(R.F.)



Under 13C and 13D Rugby

THESE two teams had a most successful season, the C team losing only two games. Throughout, the forwards showed enthusiasm and fire, especially the flank forwards McCartney and Mycock. The backs' tackling and running improved over the weeks, Matthews was always a difficult man to catch when he got the ball. Dewar as full-back was seldom out of position.

On numerous occasions visiting staff from other schools remarked at the speed with which these boys went for the loose ball.

This group is eagerly looking forward to an even better season next year.
(M.B.)

Soccer

ALTHOUGH soccer is not an official sport in the school, a few enthusiastic players organized two matches, the first being played against Young Hearts and the other against Milton Park. The school beat Young Hearts by seven goals to one, and in the very fast game against league leaders Milton Park, we just managed to beat them six goals to four.

A few of the boys played for senior league clubs this year. Five members of the team have played for Mashonaland in the past. Murdoch represented the Mashonaland Under 19 team in Beira recently and Adamson, who

captained the school side, played for the Southern Rhodesia Under 16 team last year.

Unfortunately we could not participate in the senior five-a-side tournament as we were not affiliated to the Mashonaland Football Association.

There is quite a bit of talent in this team, and it is a pity more matches could not have been arranged. The following boys played in the two matches: Adamson. MacKenzie. Murdoch, Dos Santos, SantaClara. Duarte, Rossi, Irving, Ball, Martin, L. White, T. White and McCulloch.

(J. Irving)

Swimming

THE swimming programme has been rather curtailed this term on account of the early start of the external exams.

However, we have had some enjoyable inter-school galas, in which we have competed with all the Salisbury High Schools.



SHAW, Senior
Victor Ludorum

The most outstanding swimmers were Shaw, Croxford, Avis, Premier, and MacCartney in their respective age groups.

The seniors are satisfactory and we have plenty of potential in the juniors but the Under 15's are very weak at present. (C.W.)

Water Polo

THE highlight of the last water polo season was undoubtedly the Crusader Shield Competition held during the first term at the Nigel Philip bath.



CRUSADER SHIELD VICTORS

In addition to all the Salisbury senior schools the tournament attracted Umtali, and Falcon, Milton and Plumtree from other areas.

Some indication of our chances was revealed in one of the preliminary matches when we managed to beat Prince Edward, the Shield holders for the past three years, by 4-3.

Altogether twenty matches were played over the week-end and the result of the competition remained in doubt right up to the final whistle of the Plumtree game, in which the scores were level at four goals each, and it was a dour struggle.

We thus completed the tournament with an unbeaten record, and, for the first time in the twenty-one years of the competition, managed to place the name of Allan Wilson on the coveted trophy.

Other past winners of the Shield are Prince Edward, Milton and Plumtree.

It was a truly magnificent achievement by Captain Chomse and his team and accomplished in spite of the absence of Adamson who broke an arm the day before the week-end matches were scheduled to start.

Congratulations to Dayton, Chomse, Ball, Adamson, Bartlett, Croxford, Aldridge and Kennedy.

This term we have entered teams in the First and Second Water Polo leagues and, to date, they have given a very good account of ourselves. Under the expert coaching of Mr. W. Adams, many of our junior players are showing a very high standard of water polo. (C.W.)

Tennis

THE Tennis Club has had a successful year and enthusiasm has developed to such an extent that a record number of players enrolled in the last term of the year. It proved impossible to accommodate all players on our own courts on Thursday afternoons and we are very grateful to the Headmistress of the Girls High School who has kindly allowed us the use of their three courts in Rhodes Avenue on that afternoon.

Both the Senior and Junior teams have had great success in winning all their matches except those against Morgan High School. However, we still have a return match to play and hope that both teams will avenge their defeat.



TENNIS

T. Saunders, D. Cooper, K. Lindsay.
T. Ford, T. Foster.

The Club unfortunately suffered two losses in staff personnel—Mr. Peakin was transferred to Churchill High School at the end of the second term and Mr. Sinclair has become involved in Softball, a new game in the school. We are very grateful to these members of staff for all their interest and assistance to the Club.

We are really looking forward to the 1965 season. (J.A.T.)

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Literary Section

A Plane Trip

ALL rather boring
Soaring scenery.
A world far away
From the present day.
The droning of the engines
Then sleep, sleep, sleep.
Suddenly we descend
From the heights above
To the Lilliputian world below.
Cars like ants, ribbons of road.
The light flashes,
"Fasten safety belts, please."
Down we glide
Home at last.

(D. Cooper—Form 3)

Operation Chamelion

I WAS walking casually past a poinsettia bush when a slight movement caught my eye. Closer inspection showed that it was a chamelion descending the stem. Having nothing better to do, I watched it.

Cautiously, with slow, faltering steps, eyes looking in all directions, tail stuck out straight as a die, it made its way carefully groundwards. There it stood motionless, except for its eyes, which seemed to move in every direction.

After about ten minutes the momentous decision was made: it turned Eastwards on its slow, tedious journey through the grass. Half an hour later, seeking carefully with its remarkable eyes, it stopped dead in its tracks, removed the dry grass from a particular area of ground and started to dig. I could not imagine what it was doing.

Eventually, the hole was three inches deep and two inches across. It was very interesting to watch the way the

chamelion dipped its feet and dug the earth out with the left front leg; then it scooped the earth right out of the hole with its left back leg. It would repeat the operation with its right legs. When the hole was deep enough, the chamelion reversed out, and then backed into the hole again.

Suddenly I realised that this was a female depositing her eggs. When the task was completed, she emerged in a somewhat exhausted state, but managed to summon up enough energy to fill the hole in with earth, and pat it down firmly in position. Afterwards, I felt the surface of the soil and was amazed that a creature of so fragile a build should be able to pack the surface so solidly.

When she was satisfied, she went wearily back to the poinsettia bush and climbed to the topmost branch. There she remained, as if in a trance, for as long as I stayed to watch her.

(D. Cooper—Form 3)

Beekeeping

THE popularity of beekeeping as a hobby is ever increasing, not only in this country, but all over the world. It can be very profitable if one is prepared to pay some attention to one's bees.

There are various methods of obtaining a swarm of bees, but the most popular is to transfer them from a trap to the hive. A trap is the name given to a box of reasonable size which is placed in a tree or on a rock in the hope that a swarm will make a home there. They can be attracted with the aid of Propolis, which is a soft, black maleable substance.

The trap should be checked daily, for, as soon as a swarm has settled in it, it should be moved to the hive. This is a simple process which does not take long. In the evening, when all the bees

have collected in the trap, a few 'puffs' of smoke are blown into their midst and the entrance is blocked. They must be carried to the hive immediately and gently tipped into the lower section or brood box. This is fitted with ten or eleven wooden frames in which the bees eventually make their combs.

To prevent the bees from leaving their new abode, a thin zinc sheet with holes punched in it, can be placed over the door. This sheet, called a queen excluder, allows only the worker bees to pass through it and the queen, who is slightly larger than the worker bees, is unable to do so. The bees will not leave without their queen. Once the swarm has established itself the queen excluder may be removed.

It is advisable to feed the bees at this stage. A glass jar with a perforated metal lid is a suitable container for the syrup which most bee-keepers use. To make the syrup, sugar and boiling water are used. When the syrup has cooled, the jar is inverted and placed in the hive in such a position that the bees can easily get through the perforations. A permanent supply of water should be near at hand and, of course, the more flowers there are in the vicinity, the better.

The hive must be well protected from intruders such as ants, cockroaches, bumble bees, lizards, honey badgers and humans. Many swarms have gradually diminished owing to invasions by ants, and I am sure a far greater number have been destroyed by careless humans.

The average worker bee has a life span of six weeks, while the queen lives up to three years. She has only one mating flight in her life, but lays about a thousand eggs a day. The strength of the colony depends on the capacity of the hive itself, the moods of the queen bee and the amount of readily available nectar, pollen and water in the area.

When a worker bee finds a plentiful source of nectar or pollen, it returns to the hive with a sample and dashes around on the combs until it gets some attention from the other bees. It then performs a 'dance' which shows the whereabouts of the food. The 'dance' is done on a comb and it relates the positions of the hive and food to that of the sun. Once the bee knows where the food source is, it will go there by the shortest possible route, collect as much as it can carry and return directly to the hive. Here it deposits its burden and immediately sets out again. Bees will travel three miles away from the hive in search of food.

The period known as the honey-flow takes place whenever the trees or flowers in the area begin to flower. Now is the time to add a 'super' to the hive. A 'super' is a box similar to the brood box but not as deep. It is placed on top of the brood box and is fitted with smaller frames. Once the bees have become accustomed to the new storey and have started to build combs, a queen excluder is inserted between the brood box and the 'super'. This prevents the queen from laying eggs in the 'super' and the bees produce capped honey which is free from any baby bees or grubs. When all the cells have been capped, a one-way exit is put in place of the queen excluder and left for twenty-four hours, by which time the 'super' will have no bees in it. It is then removed and the caps are cut off by means of a steam heated knife.

The frames containing the combs are put into a centrifugal extractor and the honey is run off into jars, ready to be eaten.

The frames are then replaced in the 'super' and the 'super' is put back on the hive. The bees can therefore make honey without having to rebuild the combs. Protective clothing is not necessary for a beekeeper if the bees

are handled correctly, and the bee sting is of benefit to the human body, I believe.

I am sure that anyone who does collect bees will not be disappointed with the results, and many are turning to beekeeping as a means of livelihood.

(P. Corby—Form 4)

An Army Show

AN army show was to be held at the “Dag Hammarskjöld Stadium” in Ndola. As there were only two days to go, I was very excited.

When the day came, we rode to the stadium on our bicycles, got our tickets, and found suitable seats. The show began with soldiers assembling a jeep in ten minutes, and then they drove off in it; we all agreed it was a good performance. Then there was a mock battle where guns were fired, but they had blank cartridges in them. Nobody was hurt and everybody enjoyed himself.

There were also comedies about the army: they had characters like Ali Baba and his donkey, and it was shown how he was shot by the soldiers. The poor donkey was so terrified that he bolted out of the stadium, and did not come in again. Anyway, it was very funny.

Next came the moment everybody had been waiting for; the parachuting. Two Dakotas were flying around, carrying the paratroopers. Soon the first jumper appeared, and he was followed by nineteen others. When the other plane reached the dropping zone, twenty more paratroopers plunged out, and there were forty of them in the air.

After all this, three skydivers jumped from a Cessna at a height of three thousand feet. Although all the men leapt out together, they opened their

parachutes at different times.

Unfortunately, that ended the day but I had certainly had a wonderful time.

(F. de Wet—Form I.)

A Few Impressions of Europe

AT last the final day arrived. After the usual last minute panic I was ready to leave on the French U.A.T. destined for Europe.

Early next morning we landed in Nice, Southern France. The biting sub-zero winds drove the rain across the tarmac, a contrast from the sweltering heat of Brazzaville, our previous stop. Quickly we “beetled” into the terminus owing to our flimsy Rhodesia clothing. There I was to encounter my first educational awakening. Down on hands and knees was an elderly European man scrubbing the floor.

Early next day, after packing suitcases that would not shut properly, we all passed through the busy station and onto a train heading for Rome. It was part of the “International Railway” and our group was on an Italian coach. The lights would not work so we asked the conductor to help us. He was French and would not think of touching an Italian coach. At the Customs post, the French delayed the train, so the Italians later retaliated by delaying the train for twice as long. It seemed that annoying each other was a popular pastime in Europe.

We arrived in Rome where I was to spend several miserable days. There are hundreds of Art Galleries and the various guides we had explained the histories of every painting. They would say, ‘That was painted by . . .’ a name sounding like Sparletta to me, or ‘Here is an example of Rembrandt or Da Vinci’. To add to my misery, the street vendors were crooks and the churches were big, dark and dingy.



PORTRAIT BY V. I. MacKENZIE

with priests suddenly pouncing out from behind corners, rattling collection boxes. The work of Michelangelo, however, did impress me. His brilliance strikes home when one studies his half-finished works. It is incredible that mere lumps of stone can be so transformed by his genius.

Another aspect of Rome which impressed me was the reckless driving. The car population is heavy, but the number of dents per car is even greater. We were in a bus which was larger than most other vehicles and as the rule of the road appears to be biggest have right of way, our passage was only slightly hindered. We used to clap our driver on as he won a battle of nerves and usually ended up by being thrown to the floor or rolling on the floor with laughter. Crossing the street on foot was even more precarious. One would shut one's eyes and not open them until tripping over the curb on the other side. At this point one would look to the left and right and see if any motorists were using the pavement.

After a tiring bus-ride we disembarked at Innsbruck. We were to spend a week forgetting how to walk and learning how to ski. A novice at skiing looks like a puppet in the hands of an experienced operator. We were given two 'planks' to fasten onto our boots and another two sticks to prop ourselves up with. Believe me, skis are incredibly slippery. They slide effortlessly over rocks, grass, other skis and from under your feet. I can still hear the voice of the ski instructor reaching my muffled ears—"Bending of ze knees", and "shoulders to ze Walley (valley)" he would spit out continually. We were just becoming incompetent racing drivers when we had to leave for Germany.

The rehabilitation that has taken place there is fantastic. One building, the previous Nazi Luftwaffe head-

quarters, remains a gutted three-storey building. The German people refuse to touch it, and to this day it remains as it was at the end of the war. Modern, highly organised and efficient super-markets surround this symbol of death and destruction. All the war comics I have read seemed to come true when I was told that the 3 ft. square I was standing on, once supported ten soldiers who were among the crowd listening to a jubilant Hitler. The boys from the tour teased one of the female guides we had. She was somewhat ignorant about African affairs. A typical remark made by one of my friends would be, "You should have seen the mess the elephants made of my mother's back garden just before we left", or "I'd hate to live in Europe because you have to pay for your baths." "Back home the rivers are warm and the crocs are quite friendly." Her reply would be, "You're teasing me?"

The bus now sped on at an average of 60 kilometers an hour along the dual carriageway between Germany and Holland until reaching the port of Amsterdam. This again was an Art Student's haven, but it also appealed to me. Our hotel was rather dilapidated, and walking up the stairs was like climbing the 'Leaning Tower of Pisa'.

We left the Hook of Holland and after an eight-hour boat ride reached Harwich—pronounced 'Arwich. We headed for London City at a pace which I believe is unusual for British Railways. The change from hearing the spoken foreign voices of the continent to English was not welcome. One said "Whacko!" when the porter brought the luggage instead of 'gratia'. 'achtung', 'denkeshurn' or 'merci'.

I shall always remember Britain for her Underground Railways. For three pence one can get lost for half an hour in the maze of tunnels and eventually catch a train that will take one in the

wrong direction. When one begins to understand London's highly organised transport system one appreciates how valuable it is. Some of the party found that the buildings were dirty, the girls were not nice looking and that the 'peas had been dyed green'!

We said a sad goodbye to good breakfasts and headed back to the Continent. Paris was our last port of call. Travelling through the streets of Paris one has difficulty in locating the industrial and commercial centres as every door has "Striptease Tonight" written above it. There are Night Clubs in any direction one cares to look. I spent £4/10/0 on a ticket to the "Lido". This is supposed to be the best Night Club in Paris, but we got rotten seats and the champagne had a powerful taste to it, probably in an attempt to try and silence you. The show was definitely one of the finest in the world. The stage could be converted to a swimming pool or an ice rink. We left the Lido at about 1 a.m. and had to hurry out as people were waiting for the late show. We also visited some more Art Galleries and even the artistically inclined were being told to 'pay attention'.

After a tearful goodbye to our interpreter, who had accompanied us all the way from Nice on the 5½ week journey, we left for untamed Africa.

(R. Lindsay—6M)

Superstitions

SUPERSTITION was born with the human race. When man came down from the trees and developed his imagination, one of his greatest scourges, superstition, made itself known.

Even today, in a more enlightened age, superstition still makes itself felt; especially in the less developed areas of the world.

Africa, one of the least developed of the continents, provides many instances of groundless superstition. In fact, it has the power of life and death over the people of many tribes. It is believed that witchdoctors are able to kill men by casting spells on them. The people believe implicitly that all illness and misfortune is caused by spirits over which the witchdoctor has power.

A striking example of the primitive man's fear of the unknown is the terror inspired in them by reptiles. Certain Africans, when confronted with a chameleon will expediently remove themselves from the vicinity of the 'monster'.

The above example serves to illustrate that the power of superstition is surely a psychological one. However, superstition is not confined to primitive races. Examples of it are found even in the world's most civilised peoples.

There are people who will not walk under ladders, will not open umbrellas in houses, or throw spilt salt over their right shoulder. The origins of these beliefs are lost in the mists of antiquity.

Sailors often refuse to sail on the thirteenth day of the month if it falls on a Friday, and an interesting story is told on this subject. The British Government, in an effort to disprove the superstition, which was costing them large sums of money, decided to build a ship. The keel was laid on Friday 13th: the ship was launched on Friday 13th: and was Christened "Friday 13th". This was supposed to resolve the issue and the maiden voyage was arranged on a Friday. This ship was never seen or heard of again.

Superstition still influences the lives of the majority of people in some way. Perhaps we have not advanced as far from our caveman days as we would like to think.

(F. E. Cunningham—Form 5)

Evolution

TRANSMUTATION, time in motion,
Factual distance moving forward,
Barren, simple, developmental
Practised migrant briefly filling.
All could wander to a pattern
Growing, gleaning, cells dynamic.
Hound to horse, be clawed, be hoofed
From fish to frog amphibian.
Like ape or bird, reptilian monster
Nature forms and grooms and moulds.
Animal and plant advance,
Unicell to complex mass
Regenerates and reproduces
Until the shape of man infuses.

(R. Lloyd—Upper VI)

Wally

WALLY, a Wahlberg's Eagle, was brought to us by a friend. He said that some Africans on his farm had killed the parent bird because it was molesting their chickens; anyway, we were glad to accept this unusual pet.

Wally soon settled down, and before long he had the run of the garden. He slept in a wicker basket with straw inside. The cats never frightened him but he always kept his distance. The dogs, however, were allowed to lick his beak after his meal.

We gave him mince meat to eat but we often substituted doves or the occasional heart of a cow. The feathers were left on the doves as they helped Walley's digestive system. When we approached Wally with his food, he used to become hysterical with delight, and utter a penetrating whistle, which came to a climax just before his first mouthful.

Flying was never Wally's strong

point; in fact he never learned the art, though he tried on several occasions. One of his wings drooped slightly, and we thought this was due to the lack of certain proteins.

Whenever it rained, Wally used to walk out in the middle of the lawn and thoroughly enjoy a bath; he came back in again once the rain had stopped, looking much happier though very bedraggled. We gave him a large bowl of water to see whether he would bath in it, but he only managed to upset it with his cumbersome feet.

The cat received the fright of its life once, because he tried to sneak up behind Wally, but, unnoticed by the cat, Wally turned his head around completely and watched the cat's manoeuvres with interest. Just as the cat got within striking distance, Wally swung around and hissed so loudly that the cat, taken by surprise, fled for the safety of the nearest tree. Never again was Wally bothered by cats.

One of Wally's favourite habits was to walk through the vegetable garden, uprooting anything that took his fancy; or else he would walk through the strawberry patch squashing everything underfoot. He also had a fascination for flowers, and would always pay them a visit on his daily jaunts. He would wander from one to the other, sticking his beak into them or pecking them to pieces.

It was a very sad day for us when we received a letter from home saying that Wally had died. It happened during the first week of term, and, though it did not come as a complete surprise to us, as Wally had been losing condition towards the end of the holidays, we felt that Wally had pined away when we went to school.

(K. Lindsay—Form 4)

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Last Safari

IN the Luangwa Valley in Northern Rhodesia is a large game park that has yet to be discovered by many. It is still a young game reserve and most of its visitors are from Northern Rhodesia.

In this peaceful place I was born, and I lived there until I was fourteen. My father then retired from his job as game ranger, and we left for South Africa where we began farming. Of all the time I spent in the Valley, the last two weeks were the most interesting to me.

Right from the time I was six years old, I would go on duty tours with my father, and we would tour and camp in the park for months on end. I was taught to shoot a buck for food sometimes, so I soon learned to use a rifle and a pistol. Pistols were a special hobby of my father's, and he had four of them.

When my last holiday arrived, my father promised me my first rhino. I had shot all game except rhino, lion and elephant. I was too young for a lion or an elephant, but I was very excited about the rhino. It was to be my last African Safari, so I would make it my best. At last the day came when a runner scout dashed breathlessly into camp with a story about a large rhino, not far away. As a reward, the African runner was given a large roll of copper wire.

When we eventually sighted this so-called large rhino, we found it was not as big as the runner had said it was, but, as it was an old animal, my father said it had better be the one for me.

I knew the bush well, but I still found myself perspiring freely as I made my way over the hard dry ground

on my hands and knees in the direction of the rhino, by this time less than fifty yards away. Sweat and fear are a danger to the hunter; the animal smells sweat and fear, and knows how to use them as a friend. Birds in the trees talk too much and tell all the animals that there is danger; the rhino heard this warning and looked up suddenly.

I stopped where I was, by this time flat on my belly, and saw my father, who was at least a hundred yards away, hide behind a tall mopani tree. At this moment, the wind changed, telling the rhino precisely where to find me by my scent.

The rhino never even gave me a chance to aim. He just charged at me. My rifle was far too heavy for me, and I was slow in getting it up. The shot sent a few hundred birds flapping into the air, but hit the rhino in his right front leg, and put the large brute on his side.

He was spinning around in small circles when my mind began to clear; the rhino's wounded leg had prevented him from killing me. Somehow I found the strength to place my next shot, and, as I felt the heavy kick of the big rifle, I knew the beast was dead. From the side, the shot went into a lung, and the soft nosed bullet ripped the lung in two. The rhino went down coughing a very light coloured blood. I felt a sense of triumph and relief.

Now, when I go South to my home, on holiday, I am reminded of my fear and the many things that crossed my mind on that last safari. The reminders are a large pair of rhino horns, and two .404 leads, which hang from the horns by a small silver chain, in my bedroom.

(M. Robertson-Bullock—Form 2)

A Tribute to a Lowveld Pioneer

ONE of the most unforgettable characters I have known was the late Thomas Murray MacDougall.

Thomas Murray MacDougall was born in the Scottish Highlands on 4th March, 1881. He left home early in his life and went to work for Cammel-Laird, a Shipbuilding firm on the Mersey River. Later, when he grew tired of this, he decided to travel, and left for British Guiana where he worked on a sugar plantation in Demerara. This was his first encounter with the crop which was to make him famous in later years.

After several years in Demerara, MacDougall came to South Africa in 1902. Here he managed two farms at Carolina in the Transvaal. At this time his interests were in cattle, as sugar plantations had yet to be introduced to South Africa.

He came to Southern Rhodesia in 1910 with six mule wagons and started breeding mules for which he became famous. Soon after his arrival he met up with a pioneer, Mr. Dunlop, who managed a farm in the Mazoe District. MacDougall drove a heavily laden mule-wagon up the hill to the Jumbo Mine, a thing which had never been done before in the short history of Southern Rhodesia.

"Mac" as he was known to his innumerable friends, went to the lowveld towards the end of 1910. At this time he was riding grain wagons for the African famine which existed in those days. He lived in the Victoria district and in 1912 he started off the Triangle Ranch in partnership with a man named Mark Spraggon. Once again, cattle farming was his main interest. However, MacDougall and his partner were there for only two years before the intervention of the First World War.

"Mac" served with the Front Line Transport in France, where his long experience as a transport rider in the Transvaal proved to be of great value. He returned to Victoria at the end of the war with the Military Cross and a great service record to his credit.

Those who knew "Mac" in the early days, would remember him as tall, broadshouldered, with reddish hair, usually dressed in a blue shirt and gaberdine slacks, and with a tobacco pouch tucked in a thick brass-buckled belt. He was essentially a country man who had little liking for the city lights. He enjoyed working and his first love was for cattle; his own cattle bore the **Δ** (Triangle) brand.

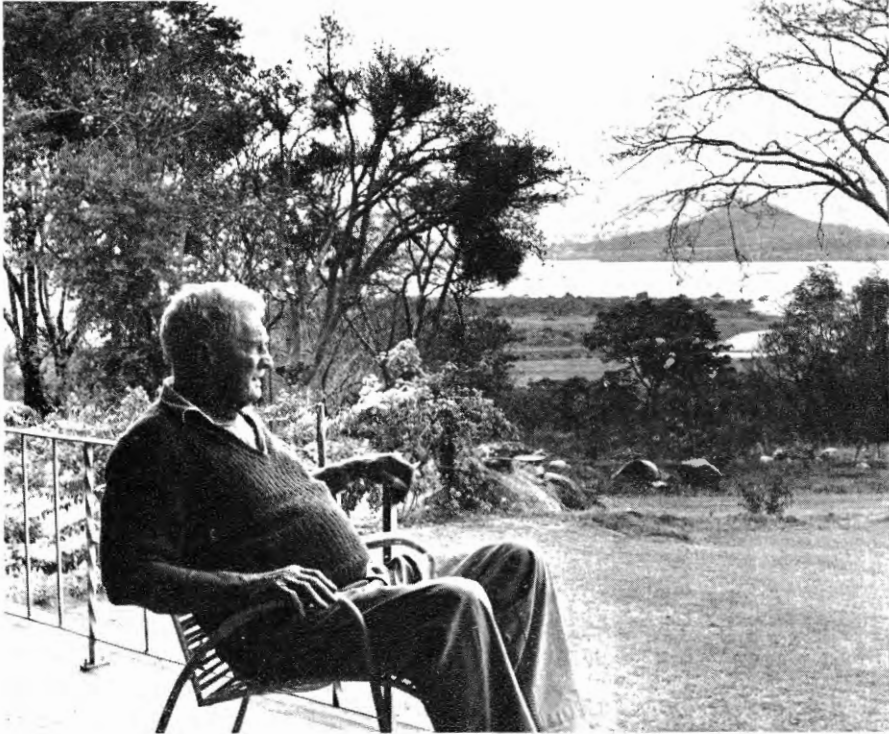
Unfortunately bad luck was to strike at MacDougall. Repeated outbreaks of East Coast Fever and Foot and Mouth Disease in the Victoria District made cattle-ranching an unprofitable business. This was so much so that in the nineteen-twenties, the best price one could get for top quality cattle was twenty-five shillings a head!

After this failure in cattle-ranching, "Mac's" thoughts turned once again to sugar. Water was the chief problem, so he set about irrigating his land from the Mtilikwe River which formed the boundary on one side of his land. He started work on a tunnel through a granite mountain in order to bring the water to the ranch-lands. He engaged an old miner in 1925 and working on and off for some seven years, the tunnel was completed. In 1934 "Mac" started his plantation. He first obtained permission from the Government and then started off with only three sticks of sugar. Money was always lacking but years of hard work finally brought success. 1938 brought the introduction of the first Sugar Company in the Lowveld and the following year saw the completion of

the first Sugar Mill at Triangle.

“Mac’s” efforts were not in vain, for the Triangle Sugar Estate as the ranch had become known, was eventually bought by the Southern Rhodesian Government, and was the forerunner of

eleven. We were at the wedding of one of my cousins and “Mac” was sitting beside me. Right through the Service he made amusing remarks about the women’s hats and numerous other things. He also complained that his



TOM MacDOUGALL

the now vast sugar-growing industry in the Fort Victoria Lowveld.

It was only then, when he was in his sixties that “Mac” found time to get married. His life had been so filled with hard work that his thoughts had never turned to marriage!

In himself, MacDougall was a pleasant, fun-loving man. I can remember an example of this when I was

marriage ceremony was never as long as the one he had seen that day. He had also collected a lot of wisdom over the years. He told me to broaden my outlook and not to stay in one country all my life. He added that if he were young again he would emigrate to New Zealand because he thought that was a young man’s country.

MacDougall will only be a name to

many of the Rhodesian public, but in Victoria, where he lived for half a century up to his last happy days in his cottage overlooking the beautiful Kyle Dam, he will always be remembered; not only by his friends and their children, but by the Shangaan people of the lowveld, to whom his work brought prosperity, and amongst whom, I am sure, his name will be a legend.

To us, the younger generation of Southern Rhodesia, his life should be an example of what can be achieved by hard work, perseverance and courage in the face of adversity. He was the finest type of Scotsman, a Rhodesian, and a man of the first order.

(J. Ball—L.VI)

Egyptian Escapade

“CAPTAIN!” the co-pilot’s voice had a trace of horror in it. “Come and take a look at this fuel gauge!”

“What’s wrong with it? I only . . .” the captain’s voice was cut short as a splutter came from the port engine of the twin-engined Viking aeroplane, which was on a flight to Cairo.

“Now d’you see what I mean?” said the co-pilot, as the starboard engine choked. “We’re out of fuel. The tank’s been leaking.

Just then the navigator stepped in. “From the sound of those engines, I think the old kite’s falling apart,” he remarked sarcastically. “Anyway,” he said, “what I came to tell you is, thanks to Jack cowboying with the controls, we are twenty-three miles off course.”

“I say,” enquired an irate passenger who had just poked his head in the cockpit, “What’s the meaning of cutting out the engines? Are we landing?”

“Yeah, sure we are!” remarked the captain sarcastically.

“Right in the middle of the desert, to be exact!” said the co-pilot, eyeing

the navigator accusingly. Then the captain stepped out of the cockpit into the passengers’ compartment to announce the news and instruct them on emergency procedures.

The aircraft had rapidly lost height; before they were cruising at fifteen thousand feet; now the altimeter showed nine hundred feet, then seven hundred, five, three, one hundred, as the pilot gradually eased the plane into a long glide.

“Get ready, this is it!” croaked the co-pilot, as his knuckles showed white, clenching on the arm-rests of his seat.

A grinding crash followed, as the belly of the plane struck a rock protruding from the sand. It rebounded sluggishly into the air for a few feet; then, after a brief slide in the sand, it ground to a halt with a scream of tearing metal.

There were a few moments of silence after the crash, while the passengers and crew waited for the worst to happen. Then, with a wild whoop of delight, a Texan passenger stampeded into the cockpit, and started shaking the captain’s hand like a piston. “I always knew you’d bring us down in one piece!” the old man crowed with praise. Then, as an afterthought, “Say, where do we go from here?” He wore a puzzled look on his old, brown, wrinkled face.

A plump, middle-aged woman replied, “Nothing. We just sit down and die. My stars, Taurus, were right,” she wept broken-heartedly.

Night fell, and the captain called the people together for a conference. “The position is this,” he announced gravely. “We have no fuel, which is the reason we’re not in Cairo now; secondly, we have no food stocks whatsoever, as this was to be a short flight, and the radio was put out of action on impact with the ground.” There was a murmur of horror as this was said. “And we do not possess a Very Pistol, so we are

unable to contact the search party, if they come to look for us."

"Whew! I'm thirsty," piped a small voice from the rear of the assembly. "Where's the water?"

"That's another thing; I almost forgot," said the captain quickly. "The water tank was torn open, and all the water was lost when we hit that rock."

"Oh no!" screamed a woman. "It's all up with us!"

"Shut up!" hissed her husband angrily, and then in a lower voice, "I've got a bottle of whisky in the suitcase," whereupon she quietened abruptly.

There was silence while everybody's mind strove for an answer. Then a six year old boy solved the problem. "Hey Mum! May I let off some of those rockets we have in the case? It's only a few days till Guy Fawkes night!"

"Rockets! That's it!" shouted the captain. "That's the answer."

Minutes later, six skyrockets streaked into the air. Reaching a great height, they exploded in a fountain of stars and spirals and gave an echoing report. A little while later, all the rockets had been used and an aircraft's lights were seen circling round. When flashlights were used to signal to it in Morse code, a helicopter landed and some rescuers ran out. "Thank goodness you're all alive," one said.

"Save your thanks for Johnnie and his skyrockets!" replied the captain, and everyone laughed.

(S. Baldwin—Form I)

Beatlemania

IN 1963, a new sound came to the world of modern music. It was the 'Mersey' sound and it was created by the now famous Beatles. The Beatles were discovered and recognised while they were playing in Hamburg, but they rose to greater fame in Liverpool

whilst playing at the 'Cavern' Club.

Since then, their fame has increased and Beatlemania has struck. It started in a small way, with the copying of their stage clothes, and gradually spread until today Beatle wallpaper can be bought. Beatle boots have become very popular, and there are many varieties.

Most girls, nowadays, long for the day when Daddy allows them to buy their first pair of Beatle stockings. As usual, the Americans have been progressive, and they have created a new town—Beatleville.

Even long after the Beatles have fallen from fame, and a new group is 'tops', people will still remember the days when the Beatles were 'hip' and Beatlemania was the rage.

M. Eastman—Form 4

The Marsh Harrier

PERHAPS the most common type of hawk in Rhodesia is the Marsh Harrier. It can always be seen flying around any marshy district in the country. Distinctive features of this large bird are long wings, a broad tail and spindly legs. A particularly striking thing about the bird is the colour of its eyes which are a strange red colour.

The Marsh Harrier hunts over the open country, flying a few feet above the ground with long leisurely beats of its wings. When it sights its prey, it goes into a long glide to seize the prey in a final, sudden pounce as it strikes with outstretched talons.

Its food is varied and includes almost anything it can find, such as mice, rats, small birds, snakes, frogs, lizards and even fish. This bird also has a great liking for insects, on which it swoops, deftly catching them in its beak.

When it is courting, the Marsh Harrier is a wonderful acrobat. One of its favourite tricks is to pass food to

its mate while on the wing. Usually the cock bird casts food towards the hen, who catches the food in her talons.

The nests of these birds can be found in the open marshland, and are made of soft grass. The hen lays from three to four eggs, and they are white with brown markings, which provide excellent camouflage. In fact, one seldom finds the eggs.

Indeed the Marsh Harrier must be one of the most fascinating of our Rhodesian birds.

(P. McDermott—Form 4)

The Beginning of a Sea Voyage

OF all the forms of travel, a sea voyage is for some people the best. The feeling of being with the elements and, at the same time, having all the luxuries of modern life on a big ocean liner, is experienced.

On a long voyage, such as from Cape Town to Southampton, you have a good taste of "life on the ocean wave," for it involves a variety of different climates and sea conditions.

Arriving at Cape Town Dock, you have the feeling of being someone important. The huge hull of your liner seems to tower above you and, as you climb the gangway, your thoughts may wander to days hundreds of years ago, when men sailed tiny boats, a mere fraction of the size of your ship: when a voyage entailed many months at sea, and living an uncomfortable life on board, where your life was in danger all the time.

Such conditions have now gone and when you have settled into your spacious cabin and all relatives or friends have returned to the quayside, you find yourself leaning over the railings on the upper deck.

The sun is setting in the west, while down on the dock, last minute

preparations for your departure are made. The tug boats have arrived, and begin their chorus of signals, for by now the casting ropes have been released and the liner drifts slowly away from the waving crowd below.

The tugs below pull the ship further away from the quay and the distance between your ship and the land widens. The direction of the liner has changed and now she glides forward, while tugs coax her towards the open seaway ahead. Little whirlpools form all around, as the water is churned by the thrashing propellers.

By now, the liner is picking up speed, while the tugs toot their warning signals, for they are still correcting the general direction of the ship. You have hardly noticed it, but the waving crowd has now been reduced to a few specks in the distance, and the flashing port entrance signals slide past as the ship heads out to sea.

Within a short space of time, the helpful little tugs begin to fall back into the evening-shadowed harbour, with its twinkling lights which dot the city of Cape Town. Table Mountain, capped with its "table cloth" of clouds forms the backdrop to the beautiful picture of dusk. Standing on deck, where fresh sea breezes chill the air, you feel you can now look forward to a wonderful voyage.

(B. R. Colbert—Form V)

Spider

YOIKES! A spider.

Puny, scary, creature.

Hairy, long, brittle legs,

Button round body

In a fragile, flimsy web.

Ever strong to kill

Any unwary fly.

(I. Ladwig—Form I)

Long Range Surveillance Radar at Salisbury Airport

MOST people have noticed the landmark now situated at the entrance to Salisbury Airport. I mean, of course, the new 60 foot high Radar Tower with its orange and white rotating scanner. In the buildings below it are housed two powerful radar transmitters with their sensitive receivers and detection equipment, and in the Airport Building, 800 yards away, are the radar displays and monitor equipment which will be used by the Air Traffic Controllers.

Over the years Salisbury has become an increasingly busy airport and is now one of the busiest airports in Africa. By giving Air Traffic Controllers a plan view of all aircraft movements for 100 miles and more around such an airport, not only can collision risks be more easily avoided but operating costs to airlines are reduced by assisting them to follow a safe and quick route to enter and leave the Aerodrome flight area. Radar has been proved to be the most satisfactory way to achieve this. Remember, aircraft could be travelling at 1,200 m.p.h. towards each other.

The very powerful radar pulses radiated several hundred times every second as the scanner rotates will strike all objects, fixed and moving, within the narrow beam shaped by the scanner reflector and these return very small portions of this incident energy to this same scanner which then feeds them to the extremely sensitive receiver equipment.

In order to eliminate fixed-object 'clutter' from the display a device called the Moving Target Indication System (MTI) is used. This stores the first of any two successive pulses and then

compares it with the second pulse. Pulse echoes from a fixed object return each time to the receiver unchanged because the object is still exactly the



**RADAR TOWER AT SALISBURY
AIRPORT**

same distance away. These pulses are all cancelled by the MTI. Moving objects, however, return pulses of differing phase relative to the wavelength of the radar radiations. These

pulses will not be cancelled on their comparison by the MTI and they are allowed through to the display.

Aeroplanes flying in the area may be concealed by heavy rain as the echoes from the rain being moving objects could get through the MTI. In order to eliminate rain-returns from showing up on the display, the radar radiations may be given a 'twist'. When these radiations strike a round object (rain drops) they are reflected back with an opposite 'twist'. Irregular objects, however, reflect the incident radar waves back approximately half in the opposite sense and half in the same sense as the incident energy. As aeroplanes are irregular objects, that part of their reflections which still has the same sense is allowed through so that they only and not the rain around them are indicated on the display.

The high energy radar pulses are produced initially by a modulator which generates a succession of short (2-3 microseconds) pulses of very high voltage. The pulses cause a transmitting valve to oscillate. The valve used, called a magnetron, produces bursts of radio frequency energy of high power which are conveyed by means of a waveguide to the rotating scanner. The scanner reflector focuses the radar energy into a beam and after each pulse is ready to receive the reflected pulses as it rotates at about 5 r.p.m.

Now, as the same waveguide has to be used for both transmitted power (energy of the order of a megawatt) and received pulses (energy of the order of one millimicrowatt) it is obvious that the sensitive receiver must be protected from the high energy transmitted pulses. A duplexer is used for this. It employs a ferrite material which has the property of offering very little resistance to electro-magnetic

energy travelling in one direction, but attenuating it rapidly in the opposite direction. Using this phenomenon, the system is able to separate the reflected pulses from the transmitted pulses and feed them into the receiver, whilst the high energy transmitted pulses are passed harmlessly through to the scanner without any mechanical switching being necessary.

As the power of the returning pulses from very distant objects may be too low for a standard sensitivity radar receiver to detect, they are amplified up to the receiver input level at the r.f. frequency of the radar. A parametric-type cavity amplifier is used for this. It works on a principle analogous to that of a child's swing—i.e. if the swing is given a series of sharp pushes it increases the amplitude of swing—the minute oscillation returning from the smaller echoing objects are boosted by stronger oscillations produced by a local oscillator, until they have attained a level sufficient to be detected and amplified by the receiver.

In previous orthodox radar displays the output from the receiver was fed directly to the cathode-ray tube which had to be kept in a very dark room in order to view the low energy 'blips'. This radar, however employs television daylight-viewing displays which enable the Controllers to do other routine work whilst they are observing the aircraft movements on the displays. This is facilitated by the use of a Storage Tube which can be likened to a cathode-ray tube display and a television camera all in one glass envelope. The storage tube can be made to hold previous blips for up to several minutes so that a train of 'blips' from one moving echo appears on the display. This is very useful as it

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enables the Controller to assess the direction and speed of the aircraft at a glance and also gives an immediate plan view of the positions of the aeroplanes in the flight area.

The radar equipment was purchased from the Selenia Company of Italy, one of the Raytheon Group, whose agents in Africa are Messrs. Aero-signals who have kindly sponsored the printing costs of this article. The cost of the Radar equipment was £187,000 and it has been installed at the Airport by the Department of Civil Aviation. It adds considerably to the already wide range of electronically operated facilities offered to visiting aircraft at Salisbury Airport and will be commissioned for use at the beginning of 1965.

As a matter of interest to boys of this school intending to follow an electronics career, the Department of Civil Aviation with its wide range of electronic equipment, offers a learnership for school leavers and it is particularly interested in those boys from a technical school.

(Rex. van Olst—U.VI)

A Holiday at Lake McIlwaine

DURING the last holidays two friends and I decided to go camping at Lake McIlwaine. We set off one Tuesday in a 1953 Morris Minor—one can imagine the crush; three of us, the tent and all our gear in a small car.

Some two hours later we arrived, and drove around the lake looking for a suitable spot to camp. Finally, at about four-thirty, we found the ideal spot, or so we thought. We began to pitch our tent and after a few minutes we were preparing for the night.

At sunset, after we had eaten a meal of black bacon and scrambled eggs, we decided to go down to the lake and

try a little night fishing. On arriving on the bank we cast in our lines. Suddenly we noticed swarms of mosquitoes diving at us in the moonlight. We made a mad rush to the tent and closed ourselves in.

The next day went without mishap but, by five o'clock the following evening, two of us decided that we had better set off to the spillway, across the lake, some two miles away, to get some water.

We started off in an old boat full of holes; we had only one piece of broken oar with which to propel ourselves to our destination. The water was very choppy as a strong wind was blowing, but fortunately it was behind us or it would have taken us all night to get there. You can imagine the difficulties we had with one of us standing up propelling the boat forward and the other baling the water out with an old tin; all the time mosquitoes were dive-bombing us from all angles. Finally we reached the spillway some forty-five minutes later and alighted from the boat, tired out and mosquito bitten.

After filling several large bottles we set off back to our camp in the early dusk. Half-way across the lake we heard the roar of a motor-boat approaching behind us; turning our heads we saw the Lake Ranger arriving. When he neared our boat he cut his engines and pulled in alongside. One can imagine how we felt, alone in the middle of the lake, in a flimsy boat that was not ours, plus the fact of having one oar. Would he ask us for the boat licence? Would he ask whose boat it was? Finally, the ice was broken when he shouted out and asked us if we were all right. We answered in the positive and after looking us over he raced away in his boat, leaving us in his powerful wake. When we finally reached our destination we fought our way into the tent through the mosquito masses and went to sleep.

For the next few days we amused ourselves by fishing, which became quite a dangerous occupation when the Ranger's patrol boat cruised by. Fishing without a licence is a risky business. Sometimes we would go out in the boat and try our hand at duck shooting with an air-pistol or endeavour to spear a group of ducks in the water with the prow of the boat.

Finally it was time to leave; we had quite enjoyed our stay at the Lake and we bumped off happily in the rattling car.

(A. Smith—Form 4B)

Bats

WINGING their sonic way
Through trees at the end of day,
What can they be that fly this way?
Swallows swift intent on prey?

No!

They're bats!

Rats

With elastic wings

Stretched over strings.

Bats!

In the air,

In women's hair.

Everywhere!

Bats!

(P. Peche—Form 4)

Tragedy

IT is a very cold, dark night and in the West the last rays of light are beginning to recede slowly over the far horizon. The clouds in the East form an ominous black layer in contrast to the small white clouds which, a few scant hours earlier, skimmed across the sky. One can sense something in the air; it is rain; the first to fall on the barren plains for five months.

If only the rain had come earlier, it would have saved many crops that now are brown and parched like the once

fertile soil from which they grew.

Yes, the rain, that many have waited, hoped and prayed for, has finally arrived, but, it is too late for the cattle which have died and the farmers who lived here, for all have either starved or gone away. It is too late for many of the insects and wild life, for they, too, have died from lack of food or water.

All that is left is a collection of reptiles, brown snakes, and rock lizards. If one looks carefully, perhaps one may discover a scorpion or a spider, threading his lone web, but there are no flies or moths, so the spider will eventually die. Even the fish have died; a month ago they lay in the last inches of water which had once been a popular fishing area, but now, the only remains are a few dry bones and little silvery skin adhering to the rocks.

The land may flourish again, but if it does, the people who farm this land will always remember the long dry summer. They will pray that it does not come again, and hope that if it does, a life-saving rain-cloud will not be so long in arriving.

(W. Brooks—Form 3)

Ancient Firearms

IN the seventeenth century in Europe firearms were crude affairs operated by percussion hammers which seldom worked the first time that the trigger was pulled. As defensive or offensive weapons they were of little value as a man with a sword had a great advantage over a gunman. Above everything else, if he missed his adversary with the first blow, he could always try again, whereas the man armed with the pistol had to go through the lengthy process of reloading. This involved cleaning the barrel, refilling the charge chamber with powder and fitting another ball into the

muzzle which was no easy feat, particularly for a horseman.

The effective range of the ancient flintlock and matchlock rifles was so small, in spite of their long barrels, that hunting with them was nearly impossible.

Towards the end of the sixteenth century gunsmiths began to concentrate on making their work look extremely attractive. German wheellock pistols were covered with delicately traced gold and silver ornamentations which have made them so popular as souvenirs for wealthy collectors today.

Despite many tales told about ancient highwaymen's marksmanship, these early pistols were extremely inaccurate, having an effective range of about twenty yards. It is for this reason that, in spite of the closeness of two opposing armies, comparatively few lives were lost in the wars of the eighteenth century; the chances of a man being killed outright by a pistol, unless at point blank range, were extremely remote.

These early firearms could only be used in dry weather as the gunpowder was not enclosed in a metal cartridge as it is today.

The percussion cap guns employed caps like those used in modern toy guns, which were fed past the hammer on a roller. This gun was not a repeater; like all early weapons, it only fired one shot on loading, and the caps merely increased the chances of igniting the powder by generating heat more quickly than a flint.

When one thinks of the devastating effect of the modern rifles used in infantry warfare, no longer restricted in their use by the weather, firearms have come a long way since the early days. Without their crude predecessors, however, there would be none of the efficient modern firearms of today.

(F. Forbes—Form 4)

. . . the cold, brilliant night

ON January 3rd, at last we started out again. It was a brilliant night, the first one for weeks. The Aerodrome was bustling with activity as 'planes took off for every part of occupied Europe, trying to catch up with the delays caused by the fog. Our car followed a Halifax which was just about to take off. The 'plane swung her tail in a graceful curve as she reached the runway. As soon as Jean-Claude and I were aboard, she quivered violently, and raced down the runway, quickly merging with the black night.

When we had finished climbing, Jean-Claude and I chatted with the crew. The pilot was a tall Scotsman; his cap was thrown back over his neck and his uniform full of patches.

"Look, here are your containers," said one of the men. "They are attached to the bomb-rack."

Our take-off time had been nine p.m. and we were rapidly approaching the French coast. All at once we were greeted by a shower of flak, and we bumped as the blast hit the underwings.

Then we approached the spot where we were to jump. The pilot opened the trap; I could see the trees and shadows clearly, below the long wings. First the containers flashed by, under the hole, in a swishing of air; then I heard a loud "Go!" and off I went. I felt the swirl of the slipstream as it hit me and cut my breath. All I saw for a moment was a rolling vision of earth and sky. Looking up I saw my rigging lines were twisted and I was dropping too fast; Jean-Claude was nowhere to be seen. I kicked and kicked until my parachute opened properly, and I sailed down into the cold, brilliant night.

(H. Adams—Form 3)

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Storm at Sea

THE S.S. Caledonia had been steaming silently along at a steady rate of ten knots; the officer of the watch had just been relieved and Ken Dodds was on duty. He carefully checked the ship's position, and, with a friendly nod to the helmsman, he went to the radio cabin.

As he stepped into the cabin, he heard a message being received: a weather warning. This did not surprise him as they had been expecting it for some time. It was decided that they should risk going full speed ahead.

Suddenly, the rain came driving down; vivid flashes of lightning ripped across the night sky, followed by deafening claps of thunder. There were no stars to be seen and outside the sky and sea seemed as one. The sea roughened and waves up to thirty feet in height came crashing down on the fo'c'sle; the crew came tumbling out, after a call from the bridge: they had been ordered to secure the cargo on deck. There were twenty motor vehicles including two large transport trucks.

The cars were soon tightly secured to the deck, but as the men tried to get the trucks secured, the ship rolled heavily, causing one huge truck to break loose and go racing over the deck. As the truck reached the rails, the ship lurched violently and so the truck went speeding back, gathering momentum by the second. It skidded on the deck, hitting a car, and then went crashing through the rails into the inky black water.

By this time, all of the passengers were awake; the bridge windows were smashed, and Ken Dodds was soaked. He had a large gash in his arm after being flung against the broken window. Just then, the helmsman slipped, striking his head and falling unconscious. As Ken bent to lift the man, he noticed

a glimmering light in front of the ship, and dived for the wheel. He was too late. There was a grinding crash as the ship collided with a small vessel which was drifting helplessly with engine trouble; the small craft sank within minutes.

Ken dashed into the engine room, and pulled the alarm: the radio officer was already sending off his S.O.S. There was panic amongst the two hundred passengers as he rushed out with rockets. Soon, however, they were under control and each lifeboat was launched successfully until only one was left. As if in answer to a prayer, the radio officer came rushing out to report that a ship ten miles away was coming to their rescue. But the men still on board S.S. Caledonia were in peril. Their ship was sinking fast and it was to be a race against time for them. The last lifeboat, containing the Captain, the radio officer and Ken Dodds, was launched. Desperately they struggled to escape from the almost magnetic power of S.S. Caledonia, and then miraculously, they were free. Before their eyes the doomed vessel was sucked into a raging, swirling vortex. Soon it was gone, and the men stared in silence at the bubbling waters which marked the scene of the tragedy.

(R. Reid—Form 3)

Notre Ecole

NOTRE école est une des écoles les plus vieilles de la Rhodésie. Fondée en qualité d'école primaire attachée a Prince Edward, en 1940 l'école changea de nom, et devint "Le Collège Technique Allan Wilson".

Major Allan Wilson était un Rhodésien très bien connu. Le conte de sa patrouille est un chapitre glorieux de l'histoire Rhodésienne. Major Wilson était chef d'une patrouille qui cherchait Lobengula, le roi Africain qui s'était évadé au cours de la

rébellion Matabele. La patrouille avait franchi la rivière Shangani, et, ayant trouvé Lobengula, dormit sous la pluie. Au lever du soleil, le quatre decembre, le major voulut prendre en captivité le chef insurgé, mais les Impis, les guerriers de Lobengula, commencèrent à tirer sur la patrouille. Immédiatement Allan Wilson dirigea ses hommes vers un petit bois, pour mieux résister à l'attaque. Toute la journée les trente-quatre hommes luttèrent contre des milliers de guerriers Matabele. Quand le soleil se coucha les blancs chantèrent, puis les guerriers les tuèrent. "Il n'y avait pas de rescapés".

De nos jours, les élèves d'Allan Wilson ont une devise, "Ils étaient des hommes parmi les hommes", auquel il est dur à faire honneur. Dans les salles de classe les élèves se sont couronnés de succes, mais sur les terrains de jeux nous ne sommes pas en verité "hommes parmi les hommes". Toutes les semaines M. Gilchrist annonce "Allan Wilson a bien lutté mais nous n'avons pas gagné. Notre équip de Rugby a eu des resultats comme ci, comme ca, parce qu'une semaine ils jouent un match du tonnerre, et le week-end suivant comme des imbéciles.

Mais en revanche, notre équipe de polo-nautique a gagné le 'Crusader Shield'.

Les maitres et les maitresses et aussi les élèves ont fait d'Allan Wilson une très bonne école. Sans doute notre école est la meilleure de la Rhodésie, n'est-ce-pas ? Mais oui !

(V. Boswell.)

To the Spitfire

O IMMORTAL aircraft !
Flashing through the sky,
Winging into battle,
Fighting as you fly.

Those who fought, and flew
Will ne'er in time forget,
Your sleek and shining lines
And your classic silhouette.

O immortal aircraft !
Designed by mortal man,
Flown by immortal Air Force,
Which never turned and ran.

Worthy you have proved,
Time and time again.
And now you come to rest,
O'er skies no more to reign.

(B. R. Clifford-Garner—Form 2)

Sailing as a Hobby

SOME of us have, at some time or another experienced the thrill of sailing a small dinghy in a strong wind. Suddenly ripples appear on the previously calm water and the sails begin to fill. The boat surges forward and it is all one can do to keep it on an even keel. For those young at heart, the stronger the wind the more exciting the ride.

From this first experience it should be possible to determine whether one enjoys this sport or not. Those who do enjoy it are most likely to make friends with someone who owns a boat or else to purchase one for themselves.

Although a sailing boat may cost several hundred pounds, a small dinghy or sailing canoe may be built quite inexpensively by anyone with a little

experience in woodwork. For the less skilled there are boat kits, and, for anyone else, a second-hand, or even new, boat is no more of an extravagance than a television set. Also there is the fact that a sailing dinghy is not very expensive to maintain, and, with care, will not depreciate very much in value over the years. In fact, a home-built boat may even pay for itself on resale if it is carefully built and well maintained.

To those proposing to build a boat I suggest that they first gather together as much literature as possible. Obviously, it is essential that one knows as much as possible about boat-building before tackling the task. Books and magazines also contain a wealth of information on the various boats

available and often give the beginner an idea as to how he should sail his boat.

There are several types of boat available, each boat having its own particular merits. On the one hand there are the out-and-out racing boats like the Flying Dutchman which are far too expensive for the week-end sailor. Then there is the whole range of boats designed for those who want more comfort and are not very concerned about those last few knots of speed.

For the schoolboy, for example, there is the Dabchick sailing board. It is completely decked in and is a fast little boat besides being lightweight and inexpensive. For those interested in races there is also the attraction that it

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is a 'class boat', which means that it may race against others in its class on a non-handicap basis.

After you have chosen your boat, the rest is up to you and all I can do is wish you good weather and enjoyable sailing. Who knows? You may even end up as an Olympic yachtsman!

(H. Solberg—U.VI)

Preparations for Christmas

CHRISTMAS is the greatest festivity of the year in the Christian world. Special church services are held. decorations are displayed and presents are exchanged.

Preparations for such an occasion are many and varied. In London, whole streets are decorated and so spectacular is the sight that thousands of people travel to the city centre just to see it. For instance, the Christmas tree in Trafalgar Square is a gift from the King of Norway to the people of London. Much preparation is needed for the transport of this tree for it is usually over sixty feet tall.

Although not every city has a Christmas tree like London's, every one of the city's shops must prepare for Christmas months beforehand. Stocks of almost every item must be increased so that the shop does not run out of goods in the middle of the Christmas rush. Also, most stores have to employ part-time labour to cope with the Christmas rush.

Preparations for Christmas in Salisbury are quite extensive. The Mayor's Xmas Fund is one such preparation. A large chest is placed at the Town Hall, and anyone may contribute money, which is used to give a party to the homeless children of Salisbury or else to help needy people.

To the people who live far away from any town, one of the most important features of Christmas is the radio or television broadcasts. The programmes selected for broadcasting have been carefully chosen, sometimes more than a year beforehand. Special services and features are broadcast and relayed around the world.

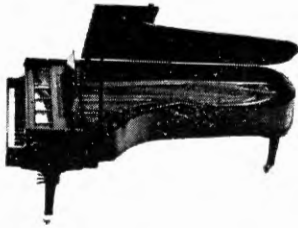
One of the last, but not the least, of the preparations is that which takes place in every home. The Christmas cake and pudding have to be cooked, presents bought and wrapped. Then, on Christmas Eve, the tree is decorated, streamers are strung out across the house, and when the children go to bed, a stocking has to be hung by their feet, ready to be mysteriously filled during the night.

When we are enjoying all the festivities and parties, we should remember that Christmas is really the celebration of the birth of Jesus Christ, our Lord.

(J. Harvey—Form 4)



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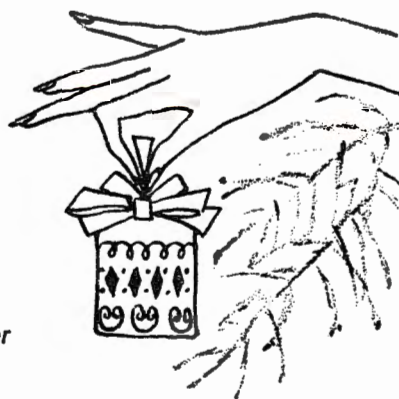
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